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LITERACY
FEB 7 1939
U. S. Department of Agriculture

1939
SEED
ANNUAL

LOVELINESS—California Giant
PEACH BLOSSOM—Early Giant

ENCHANTRESS—Improved Crego.
LIGHT BLUE—Early Giant.

THE FINEST OF THE NEW ASTERS
Four packets (one each variety, value 85c) 65c

**BRAEGER BROTHERS
OREGON SEED STORE**

140 S. W. YAMHILL ST. (S. E. Corner at 2nd)
Telephone ATwater 5522
PORTLAND, OREGON



LUPINS—Russell's Prize Mixture

Russell's Lupins are really one of the finest improvements in modern flowers. They were awarded a Gold Medal by the Royal Horticultural Society of Great Britain in 1937. The color range of Russell Lupins is, as you can see, magnificent. Their extra large spikes make the finest of cut flowers. They bloom six months from seed, so if you sow early you can enjoy them this year, as well as years to come. Pkt. 25c.



Scabiosa Imperial Giants Blue Moon

Honorable Mention, All-America Selections 1939

An entirely new form of Scabiosa. A fully double flower, the pin cushion being entirely eliminated. The color is a rich deep lavender blue, a shade that is beautiful indoors or out. Plants are extremely upright, growing 42 to 48 inches high, with long wiry stems making wonderful cut flowers. Pkt. 25c.

New Rust-Resistant Super Majestic Snapdragon Rose Sensation

Without doubt, the finest Rose-Pink Snapdragon ever offered. It is the richest shade of rose-pink imaginable, with just a touch of salmon. Flowers are huge, both tube and flower being one solid color. Trusses are immense and finely tapered. Grow Rose Sensation this year and have the finest Snapdragons in your neighborhood. Pkt. 15c.

Petunia Hybrida—Hollywood Star

Silver Medal, All-America Selections 1939

The newest novelty Petunia that is destined to be a garden favorite. Its color is a charming shade of rich rose with an amber throat. Hollywood Star is unique in the form of its flower, which has the shape of a fine pointed star. This is a fine garden variety as it is early and vigorous, the blooms nearly covering the foliage. Pkt. 25c.



OTHER SUPER MAJESTIC SNAPDRAGONS

Maiden Blush—Delicate blush pink.

Red Rocket—Rich bright crimson.

Royal Crimson—Deep, rich velvety crimson.

Each, pkt. 15c.

OTHER NOVELTIES AND SPECIALTIES

Hollyhock, Indian Spring

(Winner of Silver Medal, All-America Selections, 1939.) This new Hollyhock actually blooms 10 weeks from seed. Individual florets measuring at least 5 inches across. Indian Spring has a wide color range, from pale pink to crimson rose, the flowers being semi-double to double. For a beautiful background planting try Indian Spring this year. Pkt. 25c.



CUPHEA, FIREFLY

Cuphea Firefly (New) AR

In our quest for a plant which is dwarf, compact, neat in habit, and showy for modern gardens it is a joy to discover Cuphea Firefly. A newcomer, Firefly has all the characteristics needed in a dwarf, compact plant. The flowers are small and delicately formed, fiery cerise red in color, and are freely produced on compact plants which reach a height of about 10 inches. The general effect of a plant when in full bloom is a ball of fire, recommending itself at once as a subject for the rockery, for window boxes, for flower pots, or as a border or edging variety. It is a tender annual flowering readily in 12 to 14 weeks from seed, and blooms profusely throughout the summer months. Pkt. 25c.

Calendula, Orange Fantasy, AF

(Award of Merit, 1938.)

New, true and distinct. A few rows of petals on the outside are long and beautifully twisted. Inner petals short, curled and interlaced to form a heavy crest which surrounds an attractive mahogany-bronze center. Flowers 3 3/4 inches across of deep bronzy orange with petals edged mahogany-red. Pkt. 15c.

Calliopsis, Gold Crown, AF

(Award of Merit, 1938.)

A fine new selection of large-flowered types of Calliopsis Drummondii. Rich gold or orange, many blooms having a double row of florets. Excellent as a cut flower and fragrant. 2 feet tall. Pkt. 15c.

Godetia, Dwarf Compact Ruby

Imagine a compact little plant 12 inches tall and 18 inches in diameter covered with hundreds of deep ruby red flowers. That is the striking appearance made by Ruby, the new dwarf Godetia novelty. This delicately beautiful little plant is ideal for borders and will make a very desirable bedding annual. Ruby will make many friends this year. Pkt. 15c.

Cosmos, Sensation Cardinal

The newest Sensation Cosmos, "Cardinal." The Sensation is the finest class of Cosmos. Immense flowers 4 to 5 inches or more in diameter with overlapping petals, giving a full single flower, ideal for cutting. Flowers are carried on long strong stems, and flower freely. Sensations from 3 to 4 feet tall and will bloom in 8 to 10 weeks from time of sowing.

CARDINAL. Pkt. 15c.

We list these other Sensations:

Pinkie. Rose pink. Pkt. 15c.

Purity. White. Pkt. 15c.

Mixed Colors. Pkt. 10c.

Marigold, Scabious Flowered, Golden Harmony

Growing only to a height of 11 inches and being very compact in form, Golden Harmony is ideally fitted for both border and bedding purposes. Each flower is of the quilled scabious type and has a single row of broad guard petals on the outer edge. The color is a luminous golden yellow—both the quilled center and the guard petals hold to the same bright color. Golden Harmony is very floriferous and is literally covered with hundreds of 2-inch flowers. It produces fully 100 per cent double plants. The blooming period begins as early as the regular Harmony and we believe it will be as popular. Pkt. 15c.

Petunia, White Gem

Dainty little White Gem is a new companion of Pink, Rose and other gems. (See page 12.) This miniature grows but 6 inches high and will be covered with white blooms until frost. An ideal border plant; also suitable for pot culture. Pkt. 25c.

Petunia, Velvet Ball

Several new plant types have been developed in Petunias recently, most of them showing the influence of streamlining. The new Grandiflora Nana Compacta type which we present herewith follows this streamlined tendency in a plant which comes as near as any so far developed to a round, compact, ball shape. The habit is the last word in excellence for compactness, dwarfness and free flowering character. The plants reach a height of about 8 inches, with a spread of only 8 to 10 inches, and will have a dozen or more flowers in bloom at a time, each comparatively large, about 2 1/2 inches in diameter, well shaped and of a deep luscious shade of velvety blood red. For plant use, for florist sales, or as a border or edging plant, Velvet Ball has no equal. Pkt. 25c.

Verbena, Hybrida Grandiflora Mounty

A new Verbena of great brilliance; a solid deep rose red. Plant grows 18 inches in diameter and is tall. Each bloom will measure at least 4 inches in diameter. Typical of Mounty is its long-flowering spikes and vigorous, strong growth. A wonderful bedding plant. Pkt. 15c.

Zinnia, Fantasy White Light

(Recommended, All-America Selections, 1939.)

The first pure white Fantasy Zinnia introduced. These medium sized Zinnias make a wonderful cut flower, as they blend with every color. The free-blooming plants grow 2 1/2 to 3 feet in height, good long stems. They bloom 45 to 50 days after seeding. Pkt. 25c.

Also recommended is:

Rosalie. Intense rose. Pkt. 25c.

Orange Lady. Deep orange. Pkt. 25c.

Star Dust. Yellow. Pkt. 10c.

Finest Mixed. Pkt. 10c.



NIEREMBERGIA HIPPOMANICA

Nierembergia Hippomanica (Dwarf Cup Flower) P

With the possible exception of Zinnia Linearis Nierembergia Hippomanica will outbloom any flower we have grown. It starts flowering when the plants are only about 2 inches tall, that is about 15 weeks after the seed is sown, and keeps on up until heavy frosts of late fall. It is at all times neat and tidy looking, the young flowers coming and covering older flowers and seed pods. The lovely lavender blue shade, heightened by a touch of yellow in the center, is most charming. Plants are definitely dwarf, compact—streamlined, if you will—and not over 5 or 6 inches tall, and with a spread of only 8 to 10 inches. Foliage is light gray green, very inconspicuous, and there are literally dozens of flowers in bloom at a time throughout the summer. Will winter over if given some protection. Pkt. 35c.

BRAEGER'S FLOWER SEEDS

The starting and growing of flower seeds is a subject that takes volumes to cover thoroughly and years of experience to gain a full understanding. However, a few words of advice and some hints will often turn failure into success. Flower culture is not difficult if a few important factors are not overlooked.

We have marked each flower for you with the following symbols:

A—Annual. **P**—Perennial. **F**—Cut flower variety. **RA**—Rock Plant annual.
RP—Rock Plant perennial

There are two ways of starting flowers generally used: (1) planting directly and where they are to grow, or (2) starting in a flat or shallow box and transplanting where they are to grow and flower.

Method 1. The soil should be loamy with well pulverized surface for best results. With heavy soil inclined to cake and crack, it is usually best to grow plants in a prepared seed bed and transplant to the permanent place. (See Method No. 2.) Liberal applications of peat moss are the best remedy for hard packed soil. Try some. Spade the soil where seeds are to be sown, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly two or three times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot or cause "damping off". When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may be moved to a new location.

Method 2. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat" which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand, and half black loam. It may be obtained from florists. Firm the soil and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set) they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots, or to an outdoor seed bed, or border.

Perennial Flowers, there are exceptions of course, can be planted in the spring or fall for blooms the following year. In most cases follow Method No. 1 (above).

Annuals, depending on the kind and your past experience, can be planted either way, Method 1 or 2 (above). Write us or ask one of our salesmen if puzzled.

Flowering plants can be supplied already started if you desire. Perennials can be supplied up until April 1; Annuals from April 1 to June 30. Visit our store or write us concerning your needs. We can help you.

All packets 10c; 3 pkts. 25c; or 13 pkts for \$1.00, postpaid, unless otherwise noted.

ABRONIA, Sand Verbena, RA

Umbellata. Annual of low growing habit. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. Rose with white center.

ABUTILON, Flowering Maple

Used extensively as a pot plant in winter. Makes a fine showing in rich sandy soil as bedding plant. Large bell-shaped blooms in yellow, salmon, scarlet and crimson.

ACHILLEA, Yarrow, P

The Pearl. Small, double white flowers. 2½ feet high.

ACROCLINIUM, AF

Pretty white and rose, daisy-like flowers, so desirable for winter bouquets. Height 1 foot. New large flowering Hybrids.

ACONITUM, Monkshood, P

Napellus. Blooms in July and August. Upright spikes of dark blue flowers. Fine for shade. 4 ft.

AFRICAN DAISY, Dimorphotheca, AF

One of the best of the daisy-like flowers for cutting. Easily grown. Blooms from July to frost.

Orange Improved.

Golden West.

Mixed Colors.

Salmon Beauty.

White Beauty.

AGATHEA, Blue Marguerite, P

Splendid free flowering border perennials, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season. 15-18 in.

AGERATUM, Floss Flower, A

One of the most popular summer blooming plants grown from seed, being literally covered with flowers from early summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

Blue Ball. Compact round plants, 6 to 8 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging.

Blue Cap. Miniature.

White. Dwarf.

Semi-Dwarf Sorts—

Blue Perfection.

Imperial Dwarf Blue. Clear blue, bushy and free flowering.

Mixed Colors.

Tall Sorts—Blue, White and Mixed.

Fairy Pink. A new introduction in dwarf compact ageratum. Delightful soft salmon rose-pink color. Starts to bloom when 2 inches high, and continues to grow until it has formed a solid compact mass of bloom. It does not grow more than 5 inches when in full bloom. Will bloom until frost. Pkt. 25c. (Picture, inside back cover.)

AGROSTEMMA, P

Coronaria. Large, blood-red; silver foliage. June-Sept. 2 ft.

AMPELOPSIS, P

Veitchi. Boston Ivy vine.

ANAGALLIS, Pimpernel, RA

Flowers bloom very freely. Sunny place preferred. Splendid for rockeries and pots. 8 in.

Coerulea. Gentian blue, red and mixed.



SWEET ALYSSUM

SWEET ALYSSUM, A

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in summer, or for growing in pots and boxes for winter blooming.

Carpet of Snow. Pure white flowers on plants only 3 inches tall. Rapidly becoming a favorite variety.

Little Gein. Dwarf compact plants, densely covered with large white flowers; height, 4 inches.

Lilac Queen. Of dwarf, compact growth; flowers pure lilac color. 4 inches.

Maritimum. White, very sweet, about 10 inches, and of trailing habit.

Saxatile Compactum, RP. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in late spring.

AMARANTHUS, Summer Poinsettia, A

Brilliant-foliaged annuals, growing from 3 to 5 feet high, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location and not too rich soil.

Molten Fire. Very ornamental and the most beautiful of all Amaranthus. Very easily grown from seed; leaves dark bronze, center Poinsettia red.

Tricolor Splendens (Joseph's Coat). Foliage green, variegated crimson and yellow; height, 2 feet.

CAUDATUS (Love Lies Bleeding). Bright crimson flowers in drooping panicles, very showy. Mixed. All sorts.

ANCHUSA, Summer Forget-Me-Not, PF

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early summer until late fall.

Blue Bird. Deep blue flowers on plants 18 inches tall.

Italica. Dropmore variety. Gentian blue, 4 ft.

Dwarf-Myosotidiflora. A distinct type of Anchusa growing 12 to 15 inches. Makes a fine cut flower, blooming in April and May. Excellent rockery plant. Pkt. 20c.

ANEMONE, Wind Flower, PF

Spring flowering with cup-shaped blossoms; splendid for bouquets.

St. Brigid or Poppy. Flowers large, semi-double and double, in many colors. 18 inches.

The Governor. Double scarlet. **The Admiral.** Double pink.

Lord Lieutenant. Double violet blue.

His Excellency. Single fiery scarlet.

ARABIS, Rock Cress, PR

Alpina. Early spring flowering; especially adapted for edging and rockery. Pure white blossoms; April-May; 1 foot.

Alpina Rosea. Bright rose; very showy. Pkt. 15c.

ARCTOTIS, AF

Grandis. Flowers large and showy. White on upper surface, lilac beneath. Especially nice for cutting.

Hybrids. Daisy-like flowers of red and orange shades. Nice cutting flower.

ARMERIA, Sea Pink or Thrift, PR

Formosa. Very pretty and hardy, with slender leaves and rosy-pink flowers. Invaluable for edging.

ARTEMISIA, Summer Fir, A

Saeronomum Viridis. Grown for its splendid form, ornamental foliage. 4 ft.

ASPARAGUS, P

Plumosus Nanus. A graceful pot plant for either house or conservatory; very finely cut, delicate lace-like foliage.

Sprengerii. Drooping foliage; adapted for hanging baskets or cutting.

ASTER, AF

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equalled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation.

Early Giant Wilt Resistant

Peach Blossom. The finest of the florist type Aster, wilt-resistant. Flowers similar to California Giant type but not as tall—branches coming low on the central spike, making a desirable garden plant. Blooms early. Opens almost white and flushes light pink, then lavender pink as the flower fully matures. Pkt. 25c. (See front cover).

Light Blue (Award of Merit—1939. All America Selections). Same type of Aster as Peach Blossom, but of rich light blue. Blends nicely with lighter or darker shades for bouquets. Pkt. 25c. (See front cover).

Super Giant Aster El Monte. Was awarded the highest rank of all the new Aster seedlings placed in competition in 1935. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems.



Super Giant Los Angeles. Award of Merit, All-America Selections, 1934. Los Angeles was the first introduction in the modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Shell pink.

Heart of France. Heart of France opens red as the ruby, and retains its remarkable beauty to the very end. Flowers are large and full. Plants of branching type and of very robust habit. Stems long. Wilt-resistant.

Golden Sheaf. Free flowering. Fine for cutting. Yellow. Height 2 feet.

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Azure Blue. Soft light blue. **Crevo's Finest Mixed.**

Blue Flame. Bright navy blue. **Purple.** Showy violet purple.

Crimson. Glowing deep rose-crimson.

Pink. Attractive light shell pink.

Cattleya. Fascinating shade of orchid.

Rose. Lovely bright carmine rose.

White. Purest white, large and fluffy.

SPECIAL CREGO ASTER OFFER

We offer 6 pkts. of our choice Crego Asters for 40c.

SINGLE CHINA ASTERS. Wilt-Resistant. Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single Asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

Finest Mixed.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.
 Apple Blossom. Shell pink, creamy center.
 White. Very large. Dark Purple. Very distinct.
 Light Blue. Very delicate. Mixed. Above and other colors.
 Deep Rose. Rich shade.



SUNSHINE ASTER

IMPROVED GIANTS OF CALIFORNIA SUNSHINE (Single). This fascinating new Aster type, rightly called the most beautiful in the world. The flowers, 4-5 inches across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Stems are long and heavy, on plants from 2 to 3 feet in height. Blooms early to mid-September.
 Apple Blossom or Shell Pink. Light Blue or Azure Blue.
 Enchantress Pink. Salmon pink. White.
 Rose. Light rose or deep pink. Finest Mixed.

LILLIPUT. Also known as the "Butter Aster". Small, flat topped double flowers, 12 to 14 inches tall, fine for cutting and pot culture.
 Mixed Colors.

PERENNIAL ASTER, Michaelmas Daisy. Newest varieties mixed.

AUBRETIA, False Wall Cress, PR

Pretty dwarf-growing rock plants, forming broad masses of silvery green foliage and sheets of flowers in spring and early summer.

Large Flowering Hybrids. Mixed. Pkt. 15c.
 Also separate colors: Blood Red, Purple, Pink.

BALLOON VINE, Love-in-a-Puff, A

Cardiospermum. A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons.

BALSAM, Lady Slipper, A

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

Camelia Flowered. Finest mixed.
 Rose Flowered. Finest mixed.

BEANS, Scarlet Runner

A rapid climber, flowering profusely. Very showy.

BEGONIA, P

A splendid class of plants, suited for bedding, borders, pots, and boxes. Blooms profusely and continuously right up to frost. Besides their use for the garden, they are fine indoors, blooming during the winter.

Gracilis Luminosa. Small scarlet flowers in great profusion.
Semperflorens. Mixed colors. Larger flowers than the *Gracilis* type.

Tuberous Rooted. Single mixed. The most popular Begonia grown. Save the tubers from year to year. Nothing surpasses the tuberous-rooted Begonias for brilliance and amount of bloom. Fine for shady places. Start early in boxes. Pkt. 25c.

BOLTONIA, False Chamomile, P

Blooms from July to September bearing white daisy-like flowers. Grows 4 to 6 feet. Grows in semi-shade.

BRACHYCOME, Annual Cineraria, A

Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 9 inches.
 Mixed Colors.

BROWALLIA, Amethyst, A

Favorite annual, covered with beautiful rich blue flowers during summer and autumn in the garden. Blooms freely in winter if the plants are lifted in autumn and cut back.
 Mixed.

BACHELOR BUTTON, Centaurea, A

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

Cyanus Double (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets.

Blue. Rose. Mixed. Red. White.

Imperialis (Sweet Sultan). These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Amaranth Red. White. Yellow. Mixed.

Americana (Basketflower). Immense, thistle-like flowers of rosy lavender.

Gymnocarpa. Lavender. Finely cut, silvery white foliage. 12 inches.

Candidissima. Very decorative foliage plants for borders, etc. Silvery white leaves broadly cut. Flowers yellow. Dusty Miller.

Cornflower, Jubilee Gem. Award of Merit, All-America Selections, 1937. Jubilee Gem is a dwarf variety of Cornflower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. As an edging plant, a border plant, or for ground work in formal beds of roses, etc., it will be found admirable. Pkt. 15c.



CORNFLOWER, JUBILEE GEM

CACALIA, Tassel Flower, A

Very showy hardy annual, tassel shaped. Colors of gold, yellow and scarlet. Blooms from June to September. Suitable for rockery and border planting. 18 inches. Mixed.

CALCEOLARIA

Hybrida Grandiflora (Pouchflower). 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigereed or spotted. Pkt. 35c.

CACTUS, P

Grow your own cacti from seed. It is lots of fun.
 All Varieties Mixed. Pkt. 15c.

CALENDULA, Scotch Marigold, AF

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early summer and continues into the fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

Orange Fantasy (New). A fine new Calendula. Crested bronzy or coppery-orange, white petals are orange edged with mahogany red. All-America winner, 1938. Pkt. 15c.

Orange Shaggy. Gold Medal, All-America Selections, 1935. One of the most interesting introductions is the new laciniated type, Orange Shaggy. Deep orange shading lighter at the center, exceedingly graceful and informal in appearance, it is a striking contrast to the formal Calendulas in general use.

New Sunshine Calendula Chrysanthemum. Gold Medal Winner, All-America Selections, 1934. A lovely, friendly newcomer. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges, somewhat like a Chrysanthemum.

Campfire Improved, A. A vastly improved, reselected strain of Campfire. The color is well known, a very deep strong orange with a distinct scarlet sheen on the upper side of each petal. Blooms are flat across the top and measure at least 4 inches in diameter.

CALENDULA SPECIAL

1 Pkt. each of these 4 Calendulas 30c.
(Value 40c)



CALENDULA, ORANGE FANTASY

Radio. A late English introduction, a distinct new break. Flowers very full, petals quilled. Color a rich glowing orange.

Lemon Queen. Light golden yellow, light center.

Orange King. Extra select, dark center.

Double Mixed. Art Shades. Mixed.

CALIFORNIA POPPY, *Eschscholtzia*, AF

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown. Fine for naturalizing.

Crinon.

Rosy Queen

Salmon.

Chrome Queen Yellow

Aurantiaca, Orange. The ordinary California poppy. Brilliant mixed.

Choice Hybrids. Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson.

Ramona Hybrids. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled.

Double Eschscholtzia. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are rich yellow, orange and salmon.

CANARY BIRD VINE, A

A rapidly-growing, summer-climbing annual, 10 to 15 feet high; it will cover trellis work in the most graceful manner, producing hundreds of pretty winged, bright yellow flowers.

CALLIOPSIS, Tickseed, AF

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until autumn.

Drummondii (Golden Wave). Golden yellow, center dark, brownish red.

Crimson King. Deep crimson, yellow backs. Dwarf.

Golden Crown (New). A new selection of Calliopsis. Beautiful shade of rich gold or orange with a maroon center. Very fine cut flower. All-America Winner, 1938. Pkt. 15c.

Tall Mixed. Semi-double.

CAMPANULA, Canterbury Bells

Annual Canterbury Bells. Gold Medal, All-America Selections, 1933. We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. An annual, when planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white. Finest Mixed.

Campanula Medium. One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer.

Single Mixed.

Double Mixed.

Calycanthemum (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer. Biennial.

Blue, Rose, White, Mixed.

CAMPANULA, Perennial

Persicifolia (Peach Bells). Blue, fine border plant. 2-3 feet.

Pyramidalis (Chimney Bell Flower). Blue, 5-6 ft. Beautiful.

CANDYTUFT

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. 1 foot.

Umbellata. Crimson, Flesh, Lavender, Deep Red, Rose, White, Mixed.

Coronaria. Giant white Hyacinth-flowered.

Coronaria Miniature Gem. A dainty Candytuft growing 3½ inches in height. A gem for the rockery. Blooms early. White.

CANDYTUFT, P. (Iberis)

Sempervirens. White. Queen of Italy. Rosy lilac.

CANNA, Indian Shot

Crozy's Hybrids, Mixed.

CARNATION, *Dianthus Caryophyllus*

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender.

Chabaud Giant, PF. 18 inches. This variety blooms five months after seeding and continues throughout the summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size.

Cardinal Red. Bright Scarlet. Salmon. Deep salmon cerise.

Deep Rose. Yellow. White. Flesh Pink. Mixed.

Marguerite, AF. 20 inches. This well-known variety blooms five months after the seeds are planted and may be treated as an annual. The vigorous plants bear deeply fringed, sweet-scented flowers in a choice assortment of rich colors.

Double Mixed.

CASTOR BEAN, *Ricinus*

Tropical appearing foliage plant. Highly ornamental, of stately growth, large leaves of bronze or glossy green. Should not be planted until soil is warm. Grows 3 to 5 feet tall. Also, planted extensively to repel moles.

Red Spire. Dwarf, foliage and pods red.

Sanguineaus. Brilliant scarlet stems and fruit; 6 feet.

Zanibariensis. Surpasses all in size and beauty of colors: Mixed. Best varieties.

CARDINAL CLIMBER

Ipomoea Cardinalis. Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all summer.

CELOSIA CRISTATA, Cockscomb, A

Very attractive and showy, producing massive heads of deeply colored flowers. Colors, red, purple and yellow. Sow very thinly in boxes indoors, transplanting to other boxes or thumbpot until little combs appear.

Dwarf Mixed.

Tall Mixed.

Plumosa (Feathered). Large plump heads. For pots or open ground. Keeps well when cut. Grows 1 to 2 feet tall.

Finest Mixed.

Childsii (Chinese Wool Flower). A unique form of the feathered cockscomb, growing 2 to 3 feet high, each branch terminated with a large head of rich crimson flowers that look as if made out of silky wool. Effective in beds and borders. Also valuable for cutting, as they can be dried, retaining their bright colors for weeks.

CHrysanthemum, Painted Daisy, AF

A showy and much admired class of flowers. Large, daisy like blooms borne profusely during the summer and fall. Excellent for beds, borders and cutting.

Finest Single Mixed. Includes all colors and gives a wonderful display in beds or borders.

Coronarium, Double Mixed. Lovely button-shaped blooms, $1\frac{1}{2}$ inches across. Fully double; 18 inches tall.

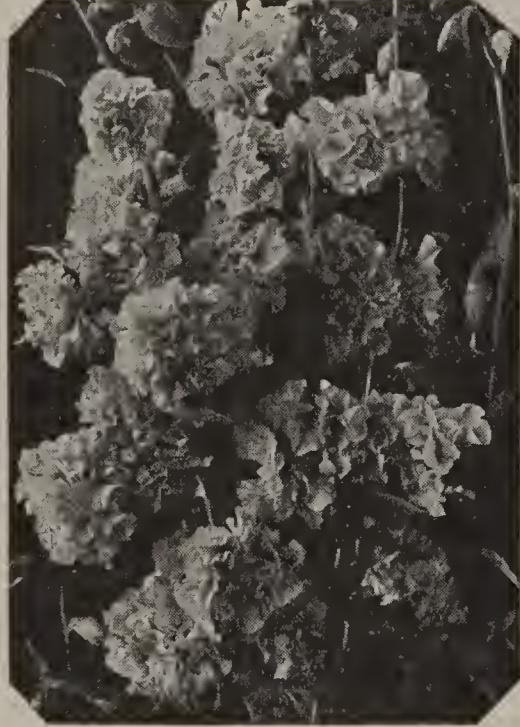
Leucaanthemum (Shasta Daisy) P. Alaska pure white. Large flowers. Good for cutting. 2 ft.

Korean, P. Hardy single-flowered bushy plants with an impressive range of colors. Easily grown and will bloom the same year as planted. Pkt. 25c.

CINERARIA, P

Magnificent and indispensable flowering plants for the window garden. The flowers of white, blue, violet, and crimson shades, covering the plant with a sheet of bloom. Should be sown under glass in very fine soil.

Hybrida. Grandiflora. Choicest mixed. Pot plant. Pkt. 25c.



CLARKIA, DOUBLE BRILLIANT

CLARKIA, AF

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which all open in water when cut.

Elegans Double. Orange King. Salmon orange.

Brilliant. Carmine. Chamois Queen. Delicate flesh.

Fire Brand. Orange scarlet. Sweetheart. Deep Pink.

Finest Mixed. Alba. White. Purple Prince. Salmon Queen.

COBAEA SCANDENS

A handsome, rapid growing, climbing plant, having large, bell-shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils. Seed should be planted on edge in shallow boxes of soft soil, covering with glass until seedlings appear. Transplant about May. Purple. White.

COIX LACHRYMAE, Job's Tears

A broad-leaved, ornamental grass, having large, tear-shaped hard, shining, pearl-gray seeds. Plant in prepared seed bed in open, transplant.

CLEOME

A splendid plant for large beds or shrubbery, border. Of branching habit, each branch producing a large head of attractive flowers. Sow seed in open ground as soon as weather is warm and settled. Height $3\frac{1}{2}$ feet. Fine for bees. Mixed.

COLEUS, A

Beautiful plant grown for its attractive foliage. For bedding and porch boxes. Fine mixed.

COLUMBINE, Aquilegia, P

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage. **Crimson Star.** (Award of Merit, Royal Horticultural Society.) Rich dark crimson sepals and spurs, in wonderful contrast to the white petals — a combination of colors entirely new in Aquilegia. Flowers are large, plants are vigorous; a wonderful novelty. Pkt. 20c.

Dobbie's Imperial Hybrids. Considered by many to be the finest mixture of long-spurred, giant sorts. Extraordinary range of colors and shades. Pkt. 15c.

Coerulea, Rocky Mt. Columbine. Beautiful sepals. Deep blue, petals white. Double Mixed. Good mixture of doubles. Improved Varieties Mixed. All newest kinds.

COREOPSIS, PF

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

Laneeolata Grandiflora. Single golden yellow flowers of graceful form.

Grandiflora Double Sunburst. Much of the beauty of early summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, $1\frac{1}{2}$ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration.

COSMIDIUM, A

A nice annual of orange, yellow and gold colors. Blooms all Summer if kept cut. Sow where it is to bloom. Do not transplant.

CORN, Ornamental

The ornamental Squaw Corn—popular as a decoration. Kernels of many colors. Pkt. 10c.

CUPHEA FIREFLY (New) AR

In our quest for a plant which is dwarf, compact, neat in habit, and showy for modern gardens it is a joy to discover Cuphea Firefly. A newcomer, Firefly has all the characteristics needed in a dwarf, compact plant. The flowers are small and delicately formed, fiery cerise red in color, and are freely produced on compact plants which reach a height of about 10 inches. The general effect of a plant when in full bloom is a ball of fire, recommending itself at once as a subject for the rockery, for window boxes, for flower pots, or as a border or edging variety. It is a tender annual flowering readily in 12 to 14 weeks from seed, and blooms profusely throughout the summer months. Pkt. 25c.

CTU FLOWER MIXTURE, A. A special mixture of annuals of the finest varieties of cut flowers. Sow a packet for continuous bloom until frost. Suitable for bedding, or broadcast, but we suggest planting in rows, as they can be thinned and cut easily. Pkt. 10c; 1 oz. 25c.

CYNOGLOSSUM, Chinese Forget-Me-Not, A

An easily grown annual producing large sprays of Forget-Me-Not-like blooms. Blooms for a long season.

Amabile Blue—Brilliant Blue.

Amabile Pink—Bright Pink.

CYPRESS VINE, Ipomoea Quamoclit

Climber with rapid growth. Has delicate fern-like foliage and great numbers of star-shaped blossoms with long tubes. Soak seeds over night in warm water, then sow where vine is to grow. Does best in warm, sunny location. Grows 10 to 15 feet. Mixed Colors.



COSMOS, AF

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late summer and fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

Cosmos Early Klondyke Orange Flare. Grand Champion Gold Medal, All-America Selections, 1935. Granted the highest honor that can be bestowed on a new flower. The long stemmed flowers of bright vivid orange are freely borne on 2' to 3 foot plants. Its most remarkable feature, however, is its early blooming habit. It blooms from mid-summer until frost.

Cosmos Sensation. (See Novelties, page 1.)

EARLY SINGLE. Grows 5 feet tall and blooms several weeks before the late-flowering varieties. Flowers 3 inches across. Crimson.

White.
Mixed.
Rose.

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

Pink.
White.

Crimson.

Early Double, Mixed.
Cosmos Sensation.

The newest Cosmos of immense size—4 to 5 inches in diameter. Their strong stems make them an ideal cut flower. Height, 3 to 4 feet.

Pinkie—Rose Pink. Pkt. 15c.

Purity—Pure White. Pkt. 15c.

Cardinal—Newest sensation color—crimson. Pkt. 15c.

Mixed Colors. Pkt. 10c.

DAHLIA

Magnificent, fall-blooming tuberous-rooted plant. Sow seeds in boxes indoors very early, transplanting to open when danger from frost is past. Will bloom first season. Tuber of the best ones may be saved for following season.

Double Mixed.

Single Mixed.

Cactus. Flowers odd and fantastic in shape; colors. Finest mixed.

Unwin's Dwarf Hybrids. Flowering in 60 days from seed. This remarkable strain produces branching plants bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They flower until frost kills the plants, and produce tubers which can be saved. Pinched back, they make fine pot plants. Pkt. 15c.

DOUBLE DAISY, *Bellis*, P

A dwarf plant which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. Seed may be sown any time from spring until August. For best results, new plants should be raised from seed each year.

Colors: Red, Rose, White, Mixed.

DATURA, *Angel's Trumpets*, A

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved like dahlias. Sow seeds in shallow bed in open and transplant when 2 to 3 inches high. Give plenty of room and rich soil. 2 to 3 feet high.

Wrightii. Single.

Double.

DELPHINIUM, PF

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow 6 feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced.

TALL HYBRIDS. Handsome sorts adapted to backgrounds. Plants grow from early sown seed will flower late the first season, but reach their full development the second year and thereafter. 5 feet.

Belladonna. A delightful shade of silvery blue.

Bellamosum. Rich, deep and intense blue.

Blackmore and Langdon Hybrids. Latest and highest development of the Hollyhock type of Delphinium. Very large, single, semi-double, and double flowers. All the pastel shades from very light blue to indigo. Pkt. 25c.

ROYAL HYBRIDS. Wonderful strain of Delphinium grown especially for us. Large spikes with a real array of color. Try them this year. Pkt. 20c.

WREXHAM HOLLYWOOD STRAIN. A fancy blending of light and dark shades. Pkt. 20c.

DWARF CHINESE. A short hardy type desirable for low borders or even for bedding. It has the merit of reaching its full development the first season from seed started early. 1 ft.

Blue Butterfly. Dark blue flowers.

Mixed.

DICTAMNUS, *Gas Plant*, P

An attractive perennial that blooms with bearded Iris. Seed germinates slowly. Sow in fall for best results. Do not transplant.

DIDISCUS, *Queen Anne's Lace Flower*, AF

Coerulea. Queen Anne's Lace Flower grows into an upright, very much-branched plant about 2 feet high. Each branch ends in an umbel of sky-blue flowers. It is easily grown and a splendid cut flower, lasting unusually long in water.

DIGITALIS, *Foxglove*, P

This ornamental hardy plant is used extensively for naturalizing in shrubbery borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July.

Gloxiniaflora. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes.

Salmon. Rosea. Rose ground. Alba. White ground.

The Shirley Giant Hybrids. Spotted throats. Mixed, all colors.

DORONICUM, PF

One of the best loved early spring perennials. Their large yellow daisy-like flowers are invaluable for cutting. Seeds germinate slowly. Pkt. 20c.

EUPHORBIA, A

Branching, bushy plants with smooth glossy leaves of various colors. Suitable for beds or borders. Sow seeds in open ground, transplanting when few inches high. Give plenty of room. Good foliage plant. 2 to 3 feet high.

Variegata (Snow on Mountain).

Heterophyllia. Painted leaf. Annual poinsettia; 3 feet.

EVENING PRIMROSE, *Oenothera*

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candelabra. Biennial; 3 feet high.

Lamarckiana.

FORGET-ME-NOT, *Myosotis*

The Alpestris varieties bloom in April and are largely used for bedding and borders. Biennial.

ALPESTRIS.

Blue.

Mixed.

HARDY FORGET-ME-NOTS.

Ruth Fisher. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over dark green foliage. Pkt. 25c.

Blue Bird. A beautiful winter-flowering deep blue variety.

Pkt. 15c.

Palustris Semperflorens. Dwarf blue flowers from early spring until autumn. Ideal for rockery or edgings.

FOUR O'CLOCK, *Marvel of Peru*, A

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

Tall, Mixed. 2 feet tall with flowers in many fine colors.

Dwarf, Mixed. Variegated golden foliage. 18 inches tall.

FOXGLOVE (See *Digitalis*)

GAILLARDIA, *Blanket Flower*, AP

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all summer long. The foliage of soft green combines well with the flowers. The blossoms are 2 to 3 inches across.

Single picta Mixed, A. Large daisy-like blossoms of yellow and bronze with central cones of yellow.

Double picta Lorenziana Mixed, A. Globular heads of tubular florets in shades of sulphur, orange, and claret.

Indian Chief, A. Single flowers of bronzy red. Very showy.

Grandiflora (Perennial). Mixed, all colors.

Dazzler. Cut flowers fit for florist. Intense golden yellow with maroon red zone. Well worth growing. Perennial.

GAZANIA, P

Although a perennial, Gazania will flower the first year from seed. Showy flowers of shades of orange with black and white spot at base. 12 to 18 inches. Hybrids.

GERANIUM, P

A half-hardy perennial, easily and quickly grown from seed. Sow seeds thinly in boxes indoors, covering with glass until seedlings appear. When about 1 inch high transplant to small pots in rather poor soil firmly pressed down. Can later be repotted in larger pots or transferred to open garden.

Zonale. Extra choice, single mixed, the well-known bedding Geranium.

GEUM, *Avens*, PF

Beautiful hardy perennials, bearing profusely large, showy, double, dark flowers all through the summer. An elegant flower for bouquets.

Lady Stratheden. A new golden yellow with large full flowers of great beauty.

Mrs. Bradshaw. Large, double, brilliant orange-scarlet. In flower throughout the entire summer.

Prince of Orange. Bright golden orange. Pkt. 15c.

Mixed Colors.

GILIA, AF

Wonderful cut flower; lasting. Grows 12-15 inches high.

White Swan. Snowy white.

Lavender.



GOURDS, SMALL VARIETIES MIXED

ORNAMENTAL GOURDS

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

Calabash. Pipe Gourd.

Small Varieties Mixed.

Cave Man's Club.

Large Varieties Mixed.

Small Egg. Dipper.

Dish Cloth or Bath Sponge.

Small Spoon. Turk's Turban.



GODETIA

GODETIA, Satinflower, A

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting. Very easy to grow.

DWARF SINGLE.

Crimson Glow. Intense crimson.

Rosamond. Rose pink.

Ruby (New). Compact plant covered with ruby red flowers.

Pkt. 15c. (See Novelty Pages.)

Mixed Colors.

UPRIGHT SINGLE.

Firelight. Rich crimson scarlet.

Sybil Sherwood. Bright salmon pink.

White Swan. Pure white.

Mixed Colors.

DWARF DOUBLE, Azalea Flowered.

Brilliant. Carmine.

Cornelia. Delicate salmon pink.

Phyllis. Lilac.

Sweetheart. Bright cream pink.

Finest Mixed.

TALL DOUBLE. Pink. Lavender. Crimson. Mixed.

GODETIA SPECIAL

WE OFFER ANY 6 PKTS. (TALL OR DWARF VARIETIES), 39c. (VALUE 50c.)

GRASSES, Ornamental

Quaking Grass. Useful for everlasting bouquets. Cut before they are ripe.

Coix-Lachrymae. See page 6.

Pampas Grass. Large silvery plumes. 5 ft.

GYPSOPHILA, Baby's Breath

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers.

Elegans grandiflora alba. This is an improved, large-flowering, pure white form of the annual Baby's Breath.

Elegans grandiflora rosea. Delicate rose. Annual.

Paniculata. Hardy perennial. White. Blooms first year if sown early. Height, 2 feet.

HELENIUM, Sneezewort, P

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed, and spread rapidly.

Autumnale Hybridum Praecox. 3 ft. Remarkable early-blooming hybrids in bronze and crimson-brown. July-Sept. Pkt. 15c. Riverton Gem. 2 to 4 feet. Covered from August to October with brilliant old gold flowers, changing to red.

Riverton Beauty. Rich lemon-yellow with large purplish cone. August-September. 4 to 5 feet.

HELIANTHEMUM, Rock or Sun Rose, PR

Pretty evergreen plants, 12 inches, forming broad clumps, covered with blooms during June and July. For rockery, border or dry bank. Pastel Mixture.

HELIOTROPE, P

A well known and highly prized plant on account of the delightful fragrance of the flowers. Seed started indoors in the spring will make fine plants for summer blooming. Can also be sown outdoors in May. Excellent for pots, or for bedding. 18 inches. Not hardy. Choice Mixed.

HELICHRYSUM, Straw Flower, AF

The finest of all Everlastings for the home garden. They are very handsome when growing in the open and make unusually fine winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. They come in a wide range of brilliant and soft colors.

Canary Yellow. Finest Mixed. Silver Ball. White. Crimson. Rose Queen. Violet Queen. Salmon Queen.

HEUCHERA, Coral Bells, RP

A fine plant blooming from early summer until late in the fall. Excellent for cutting. Good for rockeries. Sanguinea Crimson. Pkt. 20c. Sanguinea Splendens. Vermilion red. Pkt. 20c.

HIBISCUS, Mallow Marvels, P

A wonderfully improved strain of our native Marshmallow with flowers frequently measuring 10 to 12 inches in diameter. Grows 4-5 feet tall and blooms from early July until late autumn. Finest mixed.



HOLLYHOCK, PF

One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well planned herbaceous border. Height, 5 to 8 feet. Chater's Double. (Chamois, Flesh, Crimson, Maroon, Newport Pink, Salmon, Scarlet, White, Yellow, and Mixed.) Also Single Mixed.

Indian Spring. This attractive Hollyhock was winner of silver medal in the All-American Trials this year. Sown in early Spring and transplanted to open ground six weeks later, it will be in full bloom in ten weeks. Large individual flowers from pale pink to crimson rose. Pkt. 25c. (See Novelty List.)

Annual Hollyhock. Mixed colors.

HUMULUS, Jap Hop

A very rapid climber, foliage luxuriant, makes dense covering for porches, trellises, etc. Easy to grow. Clear green foliage.

HUNNEMANNIA, Yellow Tulip Poppy, A

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high and are quite bushy, with beautiful feathery foliage.

Sunlite. Award of Merit, All-America Selections. Semi-double, canary yellow.

HYACINTH BEAN, Dolichos, A

Rapid growing, ornamental, climbing annual, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods. Mixed.

ICE PLANT, Mesembrianthemum Crystallinum, A

Pretty summer trailing annual for vases and rock work; leaves covered with ice-like drops. Sow seeds early in boxes.

KENILWORTH IVY, P

A hardy trailing plant with attractive bright green foliage, and graceful lavender and purple flowers.

IMPATIENS, Sultan's or Zanzibar Balsam, A

Few flowers are as easy to grow as this popular annual plant which is splendid for creating a showy display of blooms in the semi-shade. Also easy to flower during the winter and spring in the house. Known locally as the Busy Lizzy. Holsti Hybrids. This includes many fine colors ranging from pure white through shades of pink and salmon to rich scarlet. 18 inches. Pkt. 20c.

KOCHIA CHILDSII, Mexican Fire Bush, A

Forms symmetrical highly decorative bushes, foliage green, turning to fiery red in autumn. Sow seed in open, thin to 15 inches. Valuable for summer hedges. 1 to 2 ft.

KUDZU VINE, Pueraria Thunbergiana, P

Beautiful Japan climber, hardy perennial with fragrant purplish-violet, wisteria-like flowers. 10 to 12 feet high.

LANTANA, P

A Brazilian shrub that makes a splendid display the first season from seed. Above the large somber green leaves Verbenia-like clusters of fragrant flowers rise in prolonged succession. In a single cluster all the shades of crimson, rose, yellow, and orange appear. Hybrida Mixed. Dwarf Hybrids.

LARKSPUR, AF

Annual Delphiniums are adorned with finely cut, feathery foliage of soft green which sets off to advantage the handsome long floral spikes of double blossoms.

GIANT IMPERIAL. This newer form produces plants of erect habit, branching from the base, affording longer stems for cutting. Really the best class of Larkspur grown today. We offer a splendid choice of colors.

Blue Bell. Azure blue.

Blue Spire. Violet blue.

Carmine King.

Dazzler (New). Rich scarlet.

Miss California—Deep rose on salmon.

Lilac Spire.
Los Angeles. Brilliant pink.
Exquisite Rose—Rose pink.
Fine Mixed.



Giant Imperial, White King. Special Mention, All-America Selections, 1937. White King is without any question the finest Giant Imperial Larkspur developed since Carmine King. The flowers are a pure, glistening white with rounded broad petals. Hollyhock-like spikes from 24 to 30 inches long. The plants are tall, well over 5 feet.

Giant Imperial, Coral King. Coral King is a new color never before seen in Larkspurs—blush pink, with a strong suffusion of coral which deepens and gets richer as the flowers mature. There is a magnificent length of Hollyhock-like flowering spike, averaging from 24 to 30 inches.

TALL DOUBLE STOCK FLOWERED. The following varieties with lateral branches are quite spreading, producing many fine spikes.

Sky Blue. Pink. White.
Dark Blue or Purple. Scarlet. Mixed.

Lustrous Carmine. LaFrance—Pleasing light salmon pink

New Rosamond, Stock Flowered Strain. Gold Medal Winner, All-America Selections, 1934. Acclaimed the most distinct introduction. The color is a new bright rose that holds well until out of bloom.

SPECIAL OFFER

PLANT A REAL LARKSPUR BED. CHOOSE ANY
7 PKTS. FOR 40c. (VALUE 60c.)

LATHYRUS LATIFOLIUS, Perennial Sweet Pea

Similar to sweet peas but not so fragrant; they bloom through a long season, are perfectly hardy, and will live for years. Should be sown near a fence or other support, thinning to 2 or 3 feet apart. Height, 4 to 6 feet.

Mixed. Pink. Red. White.

LEPTOSYNE, Sea Dahlia, PF

A fine cut flower of marguerite-like yellow flowers. Grows 18 inches high.

LINARIA, Miniature Snapdragon, A

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. **Fairy Bouquet.** This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months.

LINUM, Crimson Flax

Grandiflorum rubrum. An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. Annual.

Perenne. Perennial, blue, 30 inches high. Very showy.

Flavum. Beautiful rockery plant; grows 12 inches in height. Blooms yellow.

LOBELIA, A

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes.

Gracilis. Pretty light blue flowers with light blue foliage. Trailing; 9 inches.

Specioso. Trailing, true dark blue flowers, with dark foliage.

Hybrida Sapphire. A beautiful trailing Lobelia; very large, deep sapphire blue flowers, with a large and clear white eye; very free flowering; extra long trailer.

Crystal Palace Compacta. Little dwarf bedding plant; dark blue flowers cover the whole plant during the entire season; very compact and used extensively in carpet bedding or edging; height 4 inches.

LUNARIA, Money Plant

Biennis alba. A hardy biennial admired for its silvery seed-pod membranes which are used for house ornaments as they present a beautiful and rather curious appearance. Particularly attractive when combined with the seed pods of Physalis Francheti. Lovely large white flowers during the summer.

LUPINUS, P

Shrubby plants, bearing long spikes of flowers. White and pink, occasionally blue. Sow seeds in open early in spring. Give plenty of room. **Mixed Colors.**

Russell's Prize Mixture. Grow this famous new strain of Lupins. They will bloom six months from seeding, so that you can enjoy blooms this year. Russell Lupins grow into well-rounded, well-branched plants, each developing a number of extra large spikes, the size and colors never before seen in hardy Lupins. Pkt. 25c. (See inside front cover.)

LUPINS, A

Hartwegii. All colors and shades; 2 feet in height.



MORNING GLORY, Ipomoea, A

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees they are invaluable.

Scarlett O'Hara. One of the most talked of new introductions. Winner of 1939 Gold Medal, A. A. S. Rich, dark red flowers of good size on fast growing vines, and an early bloomer will make this a popular Morning Glory. Purchase early, as seed is limited. Pkt. 25c. (Picture inside front cover.)

Clark's Mammoth Blue. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3 1/2 inches across and blooms until frost.

Heavenly Blue Improved. Beautiful variety. Deep blue, light at center, early flowering.

Rose Marie. Double. Rose-pink, double and semi-double flowers. A fitting companion to the Heavenly Blue.

Mixed Imperial Japanese. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description.

EVENING FLOWERING IPOMOEA

White Moonflower. Opens when sun is setting.

LYCHNIS, Rose Campion, P

Chalcedonica. Maltese or Jerusalem Cross, flaming scarlet; large ball-like flower heads; 3 feet in height.

LYTHRUM, P

Roseum Superbum. Rose pink flowers, 3½ to 4 feet in height. Flowers from July to September.

MARIGOLD, AF

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and make ideal edging plants. We believe we offer every desirable Marigold grown today.

Make Up Your Marigold Collection

SELECT ANY 6 MARIGOLDS (3 NOVELTIES INCLUDED) FOR 49c. (VALUE 65c.)

DWARF VARIETIES

FRENCH DWARF. This Marigold is more floriferous than the African, but bears smaller flowers. As a rule, instead of being quilled the petals are flat and overlapping. **Double Mixed.**

FRENCH DWARF SINGLE. This variety is quite similar in habit and usefulness to the dwarf double sorts except that each blossom has a single row of petals of rich golden yellow, beautifully blotched at the center with a clean edged spot of velvety garnet. **Mixed.**

Dwarf French, Double, Monarch Strain. Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany. **Finest Mixed.**



MARIGOLD, HARMONY

Dwarf French Double Harmony. Although it has never been entered in the All-America Trials, Harmony is in a class with gold medal winners, and would undoubtedly have been a winner had it ever been entered. The flowers are quite different from any other Marigold, Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals.

Golden Harmony. Scabious Flowered. A new form of the popular Harmony Marigold. Similar flower except the color is a luminous golden yellow. Golden Harmony has 100 per cent double flowers of good size. It is compact in form and grows 11 inches high. Pkt. 15c each. (See Novelty Pages.)

Signata Pumila. Smallest flowering of the Marigolds. Completely covered with single blooms until frost. Golden yellow. **Signata Pumila Gnome.** Very low-growing Marigold for edging, etc. Large flowers. Very attractive plant.

Legion of Honour. Dark brown flower. Single, attractive.

Dwarf Royal Scot, Alldouble. Special Mention, All-America Selections, 1937. Dwarf Royal Scot is a new achievement in Marigolds, new in color and new in that it is dwarf and double. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 in. Color is a rich mahogany and gold in uniform stripes.

Robert Beist. A favorite flower. Large, dark brownish maroon.

Dwarf African. Dwarf strain of large flowering African Marigolds. **Mixed.**

Mexican Dwarf Orange. Distinctly new and different in flower form. It comes from Mexico, the original home of all our garden Marigolds. The plants are semi-dwarf in habit, growing 15 to 18 inches high, freely branched, and bearing quantities of large, unique semi-tubular petaled flowers of bright orange.

TALLER VARIETIES

Burpee Gold. A new introduction in 1938. Rich, deep orange color, large flowers, 3½ inches across, of Carnation-like form. Odorless foliage. 2½ feet high, well branched. An outstanding Marigold. Pkt. 15c.

Yellow Crown, Collarette. Similar to Crown of Gold in form, but of bright canary-yellow color. One of the newest Marigold introductions. Grows 20 inches high and very fine cut flower. Pkt. 15c.

Crown of Gold. Gold Medal, All-America Selections, 1937. A new kind of Marigold with a Chrysanthemum-like crown surrounded by a collar of big, broad petals of the same color, bright golden orange. It is the only Marigold with entirely odorless foliage. The flowers have a delicate fragrance. Plants grow about 2 feet tall, bloom early, profusely and continuously until frost. Lovely in the garden; wonderful for cutting.



MARIGOLD, GIGANTEA SUNSET GIANTS

Sunset Giant. A new Bodger Marigold. A prominent horticulturist has said that a flower to be desirable in the home garden must have one or more of three outstanding characteristics: it must be very showy, or fragrant, or of exceptional size. Marigold Sunset Giants has all three of these characteristics. The flowers are the largest ever known in the Marigold group, averaging 5 to 7½ inches. A plant of Sunset Giants is one of the showiest spots in any garden. Instead of the usual Marigold odor these flowers have a definitely sweet fragrance.

Yellow Supreme. Gold Medal, All-America Selections, 1935. Yellow Supreme has more than lived up to its reputation as a companion to the popular Guinea Gold. The color is a delightful light lemon yellow, and the flowers are of medium size, loosely ruffled or carnation flowered in formation. The plants are 2 to 2½ feet tall, compact and pyramidal in habit and very free blooming.

Guinea Gold (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. 2 feet.

Chrysanthemum Flowered Hybrids. A fine cutting mixture that contains many new and distinct types of Marigolds. Color range is superb, containing all shades of orange and yellow. These hybrids grow 3 feet high, supporting masses of flowers on long stems.

Royal Scot. Newer sort. Color is rich mahogany and gold in uniform stripes. Good bloomer.

AFRICAN TALL DOUBLE (Tagetes erecta). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. 2½ feet.

Orange, Lemon, and Mixed.

TALL FRENCH. Small attractive flowers of brown and yellow. Will bloom all summer until frost.

MATTHIOLA, Evening Scented Stocks, A

Bicornis. Lilac flowers which in the evening after a shower emit a delightful fragrance. 15 inches.

MATRICARIA, PF

Hardy perennial. Splendid flower for bedding, borders and cutting. Height, 1 foot.

Golden Ball. Compact in growth; true double yellow.

Snowball. Double white; large flowering.

MIGNONETTE, Reseda Odorata Grandiflora, A

This old-fashioned flower still enjoys the greatest popularity. Grown for its sweet perfume, which is most pronounced when grown in a light sandy soil.

Golden Queen. Splendid bedding sort. Golden yellow.

Finest Mixed. Includes only large flowering varieties of sweet scented Mignonette.

Giant Matchet. Bismarck. Extra large spikes of intense red.

Giant Flowering Mixed. Finest mixture of all Giant Matchet varieties.

Goliath Red. Another large sort. White Matchet.

MIMOSA, Sensitive Plant, A

A pretty and curious foliage plant. 12 inches. Leaves close up if touched or shaken.

MIMULUS, Moschatus or Musk Plant, P

Cultivated for its rich, musky color. Flowers yellow, white or spotted; 1 foot high. It should have a rich soil and ample moisture. Will bloom first year if seed is sown early. Does best in shady situation.

Tigrinus fl. pl. or Monkey Flower. Beautifully spotted. Mixed.

MIXED FLOWER SEED

Splendid mixture of annual and perennial flowers. Used for naturalizing, planting in rows or broadcasting. Large plt. 10c. Also sold by the pound.

NASTURTIUMS, A

TALL OR CLIMBING. The most popular and most beautiful free-flowering annual climbing vines. These are all of strong, vigorous growth, throwing out running shoots that can be trained upon strings or wires, or can be easily made to climb ordinary paling fences or wire netting. They are very showy also planted at the top of a steep slope and allowed to run down the bank. We offer only the finest strains, producing the largest and richest flowers.

Mixed Colors. Pkt. 5c; 1 oz. 15c; 2 oz. 25c. Also by the pound.

DWARF NASTURTIUMS. These are of dwarf growth and are especially desirable for planting as borders to flower beds or along garden walks. As with all nasturtiums, they succeed best on light, well-drained soils or in slightly raised beds.

Mixed Colors. Pkt. 5c; 1 oz. 15c; 2 oz. 25c. Also by the pound.

GLEAM VARIETIES (Double and sweet scented).

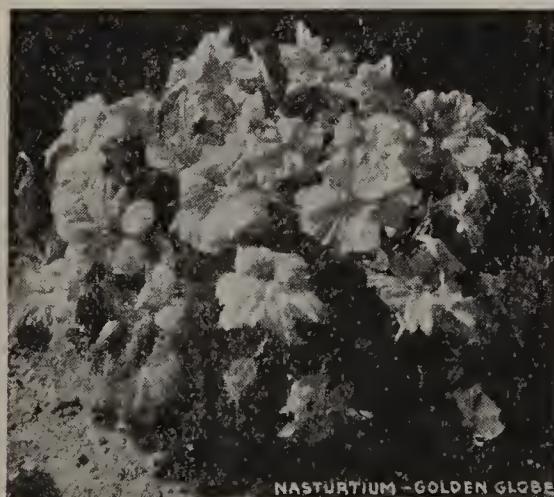
Golden Gleam. This new type is of semi-trailing habit and is a new development in Nasturtiums. The plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are of a golden yellow color and average 2 to 3 inches across.

Scarlet Gleam. Similar to the Golden Gleam, the flowers are large and full petaled, waved and fluted in effect, and extremely showy. Completely covering the foliage of the plant, the long stemmed orange scarlet flowers make a dazzling splash of color which is hard to duplicate.

Orange Gleam. The finest Gleam Nasturtium since our first introduction, Golden Gleam. The flowers are very large, uniformly double and profusely free flowering, while the color is entirely new in the Nasturtium family—a deep glowing golden orange, with a deeper shading at the center. The plants are semi-dwarf, bearing the flowers well above the light green foliage on long, wiry stems.

Glorious Gleam Hybrids. Award of Merit, All-America Selections, 1935. Glorious Gleam Hybrids are delightfully sweet scented, beautifully double. The semi-dwarf plants throw short runners from well rounded free flowering bushes. The color range includes a brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties. **Finest Mixed.**

All Gleams, plt. 5c; 1 oz. 15c; 2 oz. 25c. Also by the pound.



NASTURTIUM—GOLDEN GLOBE

Dwarf Double Gem. The Gem Nasturtium is the dwarf, compact form of Gleams. Double, sweet-scented and suitable for cutting, they are very popular. Height 10 to 12 inches, and spread 12 to 15 inches. Grow the Gems in the rockery, window boxes, for pot plants and borders. **Mahogany Gem.** Pkt. 5c; 1 oz. 20c.

Salmon Gem. Pkt. 5c; 1 oz. 20c. **Golden Globe.** Pkt. 5c; 1 oz. 15c.

Scarlet Gem. Pkt. 5c; 1 oz. 20c. **Gem Mixture.** Pkt. 5c; 1 oz. 15c.

NEMESIA, A

A splendid border plant with the widest range in color. Is very early, a continuous bloomer, and stands a lot of hardship. If topped and watered when beginning to seed it will start blooming all over again.

Blue Geni. Flowers almost like Forget-me-not.

Fire King. Brilliant scarlet-crimson.

Orange Prince.

Suttoni Finest Mixed. Very bright mixture of colors.

NEMOPHILA, A

Insignis. Splendid flower for garden decoration. Bright colors such as blue, white, and violet. 6 inches high.

Mixed Colors.

NIEREMBERGIA HIPPOMANICA

Dwarf Cup Flower, P

With the possible exception of Zinnia Linearis, Nierembergia Hippomanica will outbloom any flower we have grown. It starts flowering when the plants are only about two inches tall, that is about 15 weeks after the seed is sown, and keeps on up until heavy frosts of late fall. It is at all times neat and tidy looking, the young flowers coming and covering older flowers and seed pods. The lovely lavender blue shade, heightened by a touch of yellow in the center, is most charming. Plants are definitely dwarf, compact—streamlined, if you will—and not over 5 or 6 inches tall, and with a spread of only 8 to 10 inches. Pkt. 35c.



TYPICAL PANSY GROWN FROM OUR SEED

PANSY, Heart's Ease

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring. Treat either as annual or perennial.

SWISS GIANT or ROGLLI. Within the last few years the blossoms of this strain have been remarkably improved in every way. The plants are very compact in habit and they produce immense circular flowers for a long blooming season.

Lake of Thun. Solid blue pansy with dark blue blotches.

Cardinal. Bright red, very large and showy.

Golden Yellow. Beautiful shade, blotched.

Claret, Wine Red. Deep shade.

Dwarf Mixed. Pkt. 20c.

Coronation Gold. Award of Merit, All-America Selections, 1938. Claimed the largest yellow variety. Comparable with Roggeli Swiss Giants and much larger than Trimardeau Gold Cloe, having reached 3 inches across. Canary yellow with lower petals flushed golden orange; round flowers with lightly ruffled edges; mild, spicy scent. Some flowers show rays and lighter yellow flowers. Pkt. 25c.

OREGON GIANT. Beautiful mixture of large flowering Pansies. This mixture will suit the most critical.

Mixed Colors. Pkt. 10c.

MASTERPIECE BEDDING MIXTURE. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. Pkt. 10c.

PASSIFLORA, Passion Flower, P

Most interesting and well known climber, bearing singularly beautiful flowers. Height, 10 to 12 feet.

Edulis. Blue and white.

NICOTIANA, Flowering Tobacco, A

A very showy plant, producing star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half hardy annual; 3 feet high. **Affinis** (Sweet scented). 3 inches high. Pink and Rose shades, Red shades, White, and Mixed colors.

NIGELLA, Love-in-a-Mist or Devil-in-the-Bush, A

Compact growing, free flowering plants with curious looking, showy flowers and finely cut foliage.

Mixed Colors.

Miss Jekyll. Cornflower blue. Miss Jekyll. White.

ORNAMENTAL PEPPERS, Capsicum, A

This is the popular small ornamental pepper for pot use in winter or for bedding in summer. Start in summer for fall and winter. Red.

OXALIS, A

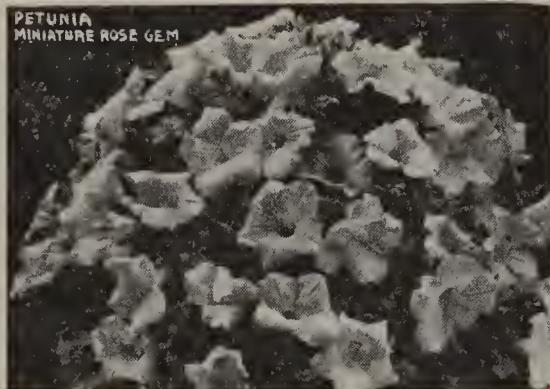
Splendid subject for pot culture and outdoor planting. Profuse yellow bloomer, single flowers, 6 inches high.

PENTSTEMON, Beard Tongue, P

Brilliant bell-shaped flowers borne on long spikes, and produced abundantly all summer. Colors range through red, rose, cherry, carmine, pink and purple. We feature the "Sensation" which ranks with the Petunia in beauty. Height, 2 feet. Every branch a spike of color. **Mixed Colors only.**

PETUNIA, A

During the whole season they are covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form; large and small, fringed and plain, double and single. Annual. Sow seed very thinly indoors under glass. Care should be taken to save the weaker seedlings as they produce the finest flowers. Transplant to garden when soil is warm. They grow from 5 inches to 2 feet, according to variety.



DWARF SINGLE, Gem Type. The gem type Petunia grows 5 to 6 inches high; very compact growth. Starts to bloom early and continues all season. Don't fail to plant some of these new Petunias as they are very worthwhile.

Pink Gem. Nice shade of pink. Pkt. 15c.

Rose Gem. Rose pink. Pkt. 15c.

Brilliant Rose Gem. Rich deep rose. Pkt. 20c.

White Gem. Newest form of gems. Pkt. 25c.

Gem Mixed. All colors.

Velvet Ball. The newest compact Petunia. Deep, luscious shade of velvety blood red that is beautiful. Plants grow 8 inches high and spread 8 to 10 inches. As good a potted plant, as for bedding or edging. Pkt. 25c. (See Novelty Pages.)

DWARF SINGLE—NANA COMPACTA

Martha Washington. A lovely novelty of dwarf, compact growth. 9 inches high, smothered with brilliant blooms about 3 inches in diameter. The frilled portion of the flowers is a charming flesh pink and the center is strongly veined with wine red. Pkt. 20c.

Salmon Supreme. Award of Merit, 1938. A new color in Petunias. Upon first opening, are a rich coral-salmon, changing to soft salmon-pink. Flowers 2 inches across. Salmon Supreme grows in nicely rounded form, 12 inches high, with a spread of 18 inches. Pkt. 25c.

SINGLE BALCONY PETUNIAS. A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

Deep Blue. Certificate of Honor, Royal Horticultural Society, 1935.

White. Award of Merit, Royal Horticultural Society, 1935.

SINGLE BEDDING PETUNIAS. These Petunias are used extensively for mass plantings. The dwarf varieties are ideal for edgings to taller plants, bedding, borders, and for pot culture, while the spreading varieties lend themselves admirably for large beds, borders, and porch boxes.

Burgundy. All-America Selections, 1937. This Petunia is very showy with its deep red flowers. Plant in one solid bed to get the best show from Burgundy, as it is difficult to combine with other colors. Pkt. 20c.

Celestial Rose. A fine color of deep satiny rose, compact in growth and very free-flowering. Pkt. 10c.

PETUNIA—
FLAMING VELVET



Flaming Velvet. Gold Medal, All-America Selections, 1936. The only gold medal winner in the 1936 All-America Trials, Petunia Flaming Velvet has caused a sensation because of the uniform excellence of its velvety, rich, blood-red flower. Pkt. 15c.

Rose of Heaven. The flowers are quite large, of handsome form, brilliant rose pink with throat lightly suffused with yellow.

Heavenly Blue. (Silver Blue.) Enchanting shade of light silvery blue. Dwarf.

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing.

Rose King Improved. Special Mention, All-America Selections, 1936. A bed or border of Rose King Improved, the new and improved strain of Rose King, is a sight not soon to be forgotten. Its flowers are a clear, rich rose with a delicate light golden throat, and the 18-inch plants are rather bushy, absolutely uniform, and literally covered with blooms.

Mixed. All colors. A very decorative show may be had by sowing these broadcast.

PETUNIA HOLLYWOOD STAR. The newest novelty Petunia that is destined to be a garden favorite. Its color is a charming shade of rich rose, with an amber throat. Hollywood Star is unique in the form of its flower, which has the shape of a five-pointed star. Pkt. 25c. (See inside front cover.)

GRANDIFLORA SINGLE FRINGED. Blooms of truly giant size with exquisitely fringed edges. Start the seed indoors in boxes or pans.

Dainty Lady. Award of Merit, 1936. The first of the yellow Petunias. Medium size, fringed and very free-flowering. Neat, compact growth. Pkt. 25c.

Elk's Pride. Very large deep purple. Pkt. 20c.

Miranda. One of the prettiest of fringed Petunias. Beautiful rose-carmine with dark throat. Pkt. 25c.

RUFFLED GIANTS OF CALIFORNIA. Ruffled monsters, a half dwarf type of erect and robust habit. The flowers are very large and ruffled, with open shallow throats. The colors are mostly the desired red and dark shades, richly marked and veined.

Mixed Colors. Pkt. 25c.



GIANTS OF CALIFORNIA

DWARF GIANTS OF CALIFORNIA. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

Ramona Strain. Mixed colors. Pkt. 25c.

DOUBLE VARIETIES. We offer the finest strain of double Petunias and suggest that seed be started indoors in boxes or pans. The small, crumpled seedlings will give the finest flowers.

Triumphant, All Double Mixed. Pkt. 35c.

PHACELIA, A

Campicularia. An early blooming annual, suitable for rockeries, edging and as a pot plant. Intense gentian blue with white anthers.

PHLOX DRUMMONDI, A

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

Crimson. White. **Brilliant.** Deep Rose. **Flesh.** Primrose Yellow. **Violet Purple.** **Lilac.** Mixed Colors.

Salmon Glory (New). At last we have a good salmon in annual Phlox. Individual florets are gigantic for Phlox, 1 1/4 to 1 1/2 inches in diameter. Pure salmon pink with cream eye. Grow Salmon Glory for a new thrill in Phlox. Pkt. 25c. (See Novelty Pages.)

Gigantea Art Shades (New). This new strain has very large flowers in lovely pastel colors. Mixed Colors.

DWARF OR COMPACT VARIETIES. The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high and are covered with flowers during the whole summer and fall. Excellent for bedding or edging. Choice Mixed.

STAR VARIETIES. The petals of these flowers have fringed or toothed edges, darker centers, and margins of a different shade, giving them the appearance of twinkling stars. Otherwise, they are similar to the large flowering kinds.

Choice Mixed.

PHLOX DECUSSATA, PF. Large, compact heads of bloom from mid-summer until fall. 2 to 4 feet. Wide range of colors. Sow seed early in boxes and transplant seedlings once before placing in permanent location. Usually blooms the first season. Seed germinates very slowly. Mixed colors only.

PINKS, *Dianthus*, A

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

HEDDEWIGI LACINIATUS. This class of *Dianthus* is free flowering. Grows 10-12 inches high. Beautiful.

Double Lucifer. Orange scarlet.

Double Snowdrift. White.

Double Mixed.

Single, Splendens. Crimson, large white eye.

Single Mixed.

Chinensis, Double Mixed. This variety supplies an abundance of fringed double flowers. They resemble Sweet William, but the blossoms are larger.

Sweet Wivelsfield (New Hardy Dianthus). Resembles a large flowering Sweet William. Large variety of colors—reds, pinks and crimson. 12 inches. Sow early; will bloom all summer.

PERENNIAL DIANTHUS. Perfectly hardy, strong clumps producing wealth of blooms. Fragrant.

Single and Double Mixed.

Double Mixed.

Scotish Pinks. Single flowers. Mixed colors. Very showy.

POPPY

Annual Poppies should be sown as early as possible in the spring where they are to remain as they do not transplant readily. It is advisable to mix the seed with builder's sand, using about 25 times as much sand as seed, and then carefully broadcast seed on the surface of the ground and firm well. Plants should be thinned out to stand about 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

NUDICAULE (Iceland Poppy). This hardy Poppy slightly resembles the delicately formed annual Shirley. However, the plants are somewhat different in habit and contain many shades of yellow and orange. 18 inches. Perennial.

Double Mixed.

The Emperor. One of the finest Iceland Poppies yet introduced. Color is deep tangerine orange with long straight stems, making it ideal for cutting. Large fluted flowers. Pkt. 15c.

The Empress. To brighten the garden in early spring you could make no better choice than The Empress. It is distinct from all other strains, a remarkable new giant flowered Poppy which is excellent for cutting and delightful in the garden. The flowers are very large and well formed, with broad petals which are deeply fluted or wrinkled, giving a most delightful effect of semi-doubleness. In color it is unique; lovely shades of salmon rose and pink. Pkt. 15c.



Amurensen Yellow Wonder. This new very large flowered bright buttercup yellow Iceland Poppy is an excellent running mate to The Emperor and The Empress. The stems are unusually long and wiry, 24 to 26 inches in length and the flowers will keep as long as ten days when cut. It is somewhat later blooming than the Nudicaule varieties, is much more heat and drought resistant than any other poppy and comes 100 per cent true to color. Pkt. 15c.

Sunbeam. Since it is more thrifty, with finer stems and handsomer flowers, this is an improvement over the original Iceland strain. The plants will produce flowers the first season from seed sown early. Mixed.

Roseum. Fine mixture of light shades. Large flowered.

ORIENTALE. These are the royal members of the Poppy family. They are majestic in all their characteristics, have magnificent foliage, sturdy stems, huge cup-shaped flowers with crinkled petals, and large decorative pods. 2 1/2 feet.

Princess Victoria Louise. Salmon scarlet. Pkt. 15c.

Mrs. Perry. Shrimp pink. Pkt. 15c.

Perry's White. Large satiny white flowers with purple-black blotch at base of each petal. Pkt. 20c.

Scarlet. Pkt. 10c.

Mixed Hybrids. A splendid collection mostly red, with some white, rose, lavender, orange, and crimson. Pkt. 10c.

SHIRLEY. Known as the Flanders Field Poppy of the World War. The plants with their deeply cut foliage, slender hairy stems, and silky petaled blossoms, often fluted, present a delicate airy picture as they nod in the slightest breeze. 18 inches.

Single American Legion. This is a dazzling scarlet with white cross at center. The best substitute for the wild Flanders Poppy.

Single Mixed. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red.

Double Pink Shades. This charming sort with its double and semi-double flowers in several shades of pink is of great merit.

Peony Flowered Mixed. Double ball-shaped flowers of gigantic size.

DOUBLE CARNATION FLOWERED MIXED. Perfectly double, globular flowers with fringed petals in many brilliant colors.

TULIP POPPY (Glaucum). Dazzling deep scarlet, with black Maltese cross.

FLANDERS POPPY. True dwarf in growth, beautiful orange scarlet with a black cross. Very showy.

PHYSALIS FRANCHETI, Chinese Lantern Plant

This hardy biennial plant grows to a height of about 2 feet and is profuse bloomer, producing many large, striking seed pods of a beautiful, brilliant orange red color resembling Chinese lanterns in shape. Used extensively for winter bouquets.

PLATYCODON, Chinese Bell Flower, P

They resemble campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September. They require fairly light soil and good drainage. Height 2 to 3 feet. Blue.

POLEMONIUM, Jacob's Ladder, P

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the tulips. Fine for bees. Blue.

PORTULACA, Moss Rose, A

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors.

Double Mixed.

We list separate colors also this year:

Double White.

Golden Yellow.

Single Mixed.

Splendens. Red.

Thellusoni. Orange scarlet.

RANUNCULUS, Buttercup, PF

Giant French Mixed. Grow this favorite from seed. Plant seed in spring to grow bulbs for next year's flowers. Very colorful double flowers. Splendid for cutting; 16 inches high.

RED HOT POKER (See Tritoma)

PRIMULA, Primrose

Among the finest and most important winter blooming pot plants, easily grown. Seed sown in March or April will bloom in winter.

Malacoides (Baby Primrose). Large flowers in profusion on long stems; lavender-pink. Annual. Pkt. 15c.

HARDY PRIMROSE

Vulgaris. Common Primrose. Flowers bright yellow; fragrant. Pkt. 15c.

Vulgaris (Acaulis). Choice Mixed. Colors of hardy primrose. **Auricula**. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt. 20c.

PYRETHRUM HYBRIDUM, Painted Daisy, PF

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

Single and Double Mixed. Single Mixed.

Aureum (Golden Feather). Half-hardy, perennial; valuable for edging, as their yellow foliage makes a fine contrast with other bedding plants; 6 inches.

RHODANTHE, Swan River Everlasting, AF

A charming annual which succeeds best in a light rich soil and in a warm sheltered position. Also splendid for pot culture. Valuable for garden display and for winter bouquets. Grows 1 foot high. Mixed Colors.

ROCK GARDEN MIXTURE, P

A splendid rock garden mixture that will solve your problem of what to put in your rockery.

ROMNEYA, Matilija Poppy, PF

A beautiful large white fragrant poppy that makes a wonderful cut flower. Grows best from seed. Does not transplant well. Height 4 to 5 feet. Coulteri.

RUDBECKIA, Cone Flower, AF

Bicolor Superba. Bright yellow flowers having a brown central disk. Blooms all summer. Very fine as cut flowers. 2 feet. **Purpurea**, P. Large flowers of reddish purple. 4 feet.

SAPONARIA, PR

A showy dwarf trailing plant, producing a sheet of vivid rose pink flowers. June-August. Fine for rockeries and edgings.



SALPIGLOSSIS

SALPIGLOSSIS, Painted Tongue, AF

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a petunia, but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

Crimson and Gold.

Velvety Red.

Crimson.

Violet and Gold.

Faust, Black.

Yellow.

Purple and Gold.

Light Blue and Gold.

Rose.

Brown and Gold.

Finest Mixed.

Salpiglossis, Dwarf Giant Flowering

New strain which has proven exceptionally popular. With its bright color range it is most attractive. It is a thrifty grower producing thick, bushy, symmetrical plants of dwarf habit. In bloom the whole summer, even more than the Emperor type. Ideally suited for general garden use. Pkt. 15c.

SALVIA, Scarlet Sage, A

The Scarlet Sage is an indispensable bedding plant. Its fine qualities and unusually rich color make it the most effective material to bring color into the summer and fall garden. Suited for beds, borders, or as individual specimens. Start the seed indoors or in the hotbed early and set out when the weather has become settled.

Zurich. Early flowering sort. Dwarf.

Bonfire or Clara Bedman. Medium height, 16 inches.

Splendens. Tall sort, most popular. Height, 24 inches.

Farinacea, Blue Bedder. A compact form, desirable for bedding. The flowers are a deep blue and they are borne on elegant long spikes. Splendid for garden display and for cutting. Hardy with protection.

SCABIOSA, Pincushion Flower, AF

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. The various shades are extremely charming. Seeds should be sown any time in the spring after danger of frost is past.

Azure Fairy. Clear lavender blue. Rosette. Rose pink.

Black Prince. White. Pure white.

Blue Cockade. Nice blue.

Shell Pink. Delicate light tint.

Loveliness. Salmon-rose shades.

Fire King. Fiery scarlet.

Peach Blossom. Pleasing light pink.

NEW!

Salmon Beauty. This is the first true salmon Scabiosa. A beautiful shade that lends itself for cutting so nicely. Well worth growing. Pkt. 15.

Blue Moon. An entirely new Scabiosa, the familiar pin cushion being eliminated and the color a deep lavender blue. (See picture inside front cover.) Pkt. 25c.

HARDY PERENNIAL VARIETIES

Caucasica. Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. Pkt. 15c.

Japonica. Lavender blue flowers. Blooms from August to frost. 2 feet.

SEDUM, RP

Spurium coccineum. Small, dainty rose-pink flowers borne on plants 3 to 4 inches tall. Splendid for rock garden, edgings and pot culture.

SCHIZANTHUS, Butterfly Flower, AF

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of orchids. Also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Butterfly Mixture. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. Rose and Amber shades.

SHAMROCK

True Irish, grown extensively in pots.

SILENE, Catchfly, A

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers in various shades of pink. Fine for border or rockery. The plant is covered with glutinous moisture, to which flies adhere; hence its name. Sow in boxes and transplant as soon as large enough to handle. Fine Mixed. All colors.

SMILAX, P

Charming, tender climber for greenhouse or window gardens; the foliage and stems are of a pleasing light green; very graceful. Excellent for decoration.

STATICE, Sea Lavender, A

Splendid plants, either for the border or rockery, producing all summer, panicles of small flowers, which can be dried and used for winter bouquets. 2 feet.

Rosea Superba.

Yellow.

Snow White.

Mixed Colors.

Kampf's Tall Improved. Deepest blue.

Lavender.

LATIFOLIA, P. Small purplish blue flowers; profuse bloomer. Dry for winter bouquets. 3 feet high.

STRAWFLOWERS, AF

A fine mixture of everlasting. All colors.

SUN FLOWER, Helianthus, A

Well known and popular plants, the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

Dwarf Sort. Grows about 3 feet in height. Nice cut flower.

Excelsior Double Mixed. Medium sized flowers. Height, 5 ft.

Russian Mammoth. Immense single yellow flowers on tall heavy stalks. Height, 8-10 feet.



SNAPDRAGONS

ANTIRRHINUM, Snapdragon, AF

Snapdragons have always been universal garden favorites. They are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinarily good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

RUST RESISTANT SUPER MAJESTIC

This new class of Snapdragons has the finest and largest flowers yet introduced. Grow some this year to have the prize Snapdragons of the neighborhood.

Maiden's Blush. Delicate blush pink. Pkt. 15c.

Red Rocket. Bright red. Pkt. 15c.

Rose Sensation. Beautiful rose pink. Pkt. 15c.

Royal Crimson. Rich velvety crimson. Pkt. 15c.

(See inside back cover.)

NANUM GRANDIFLORUM Rustproof (Medium Height)

We have chosen the seven colors that are the best in this class of large flowered Snapdragons of medium height.

Carmine Rose. Bright carmine rose.

Glowing Sunset. Rosy scarlet.

Indian Girl. Old gold.

Light Salmon Pink.

Red Boy. Rich deep scarlet.

Wildfire. Bright orange scarlet.

Finest Mixed. A mixture of the above and other good varieties. Pkt. 15c.

MAXIMUM GRANDIFLORUM Rustproof (Tall)

The tall varieties of Snapdragon offer a wonderful display of color for a little care.

Alaska. White.

Pink Shades. Rose pink to pale pink.

Campfire. Luminous scarlet. **Loveliness.** Soft rose pink.

Canary Bird. Canary yellow. **Salmon Rose Shades.**

Copper King. Bronzy copper. **Finest Mixed.**

SWEET WILLIAM, *Dianthus Barbatus*, P

A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers. 18 to 24 inches.

Newport Pink. Watermelon pink or salmony rose color.

Scarlet Beauty. Rich, deep scarlet. Rare color in hardy plants.

Purple Beauty. Newest color; beautiful.

Dark Crimson. **Pink Beauty.** **White.**

Single Varieties, Mixed. **Double Varieties, Mixed.**

Dwarf Alpine Mixed Sweet William

Here is a new plant for your rock garden and perennial border, Dwarf Alpine Sweet William. It grows 4 inches in height and has a wonderful range of colors. Be among the first to grow this new Dwarf Sweet William. Mixed colors only. Pkt. 20c.

STOCKS, *Gilliflower*, AF

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early spring will bloom the same year. They are also valuable for winter forcing.

DWARF TEN WEEKS. This early class forms dwarf compact plants that are excellent for edgings or low beds. They often do well in sections where plants of the later types cannot be grown. 12 inches.

Bright Rose.	Lavender or Light Blue.
Canary Yellow.	Purple or Dark Blue.
Crimson.	Mixed.
White.	

BEAUTY OF NICE. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. This sort is excellent for bedding and for cutting. 16 inches. Double flowers.

Canary Yellow.	Lavender.	White.
Crimson.	Rose Pink.	Mixed.

GIANT IMPERIAL (Improved Bismarck). Long stems and imposing spikes of large flowers make this the outstanding variety for florists. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is somewhat less spreading and considerably taller. 2 feet.

Blood Red.	Lavender.	Yellow.
Elk's Pride.	O'd Rose.	Mixed.
Flesh	Shasta White.	

SWEET ROCKET, *Hesperis*, P

An old, hardy garden favorite. Fragrant flowers resembling perennial Phlox. Sow seeds early and transplant once before placing in permanent location. Height, 2-3 feet.

White. **Red.** **Mixed Colors.**

TAHOKA DAISY, AF

A recent introduction. Very showy annual, blooming well even in a hot, dry situation. Has daisy-like blooms of rich lavender. 2 feet high.

THALICTRUM, Meadow Rue

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed. **Dipterocarpum.** 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers.

THUNBERGIA, Black-Eyed Susan

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. 4 feet. **Mixed Colors.**

TITHONIA, AF

Orange Vermilion. Resembles single African Marigolds. Grows 6 feet high. Fine cut flower.

TORENIA, Wishbone Flower, A

A very fine annual for rock garden, pots, hanging baskets or bedding. Snapdragon-like flowers of sky-blue. 10 inches. Partial shade.

TROLLIUS, Globe Flower PF

A fine plant bearing bright orange and yellow flowers in a slightly shaded, moist location. 2 to 3 feet. Seed germinates very slowly. Soak in hot water six hours before planting. Pkt. 25c.

TRITOMA, Red Hot Poker, P

A perennial, not strictly hardy, but will live through the winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over winter in sand in a cellar.

Mixed Hybrids.

Pfitzer's Hybrids. Very large, brilliant red.

URSINIA, Jewel of the Veldt, AF

A native from South Africa, easily grown from seed. Lovely daisy-like flowers borne on long stems. Blooms during the summer and fall. Height, 12 inches.

Anethoides. Deep orange with dark center, beautiful.

Anethoides Hybrids. Shades of orange, yellow and apricot.

VALERIAN, Garden Heliotrope, P

Hardy perennial. Pinnate foliage and panicles of flowers with odor of heliotrope. 5 feet. June and July.

Pink, Red, White, and Mixed.

VENIDIUM, Monarch of the Veldt, A

Fastuosum. It suggests the exotic splendor of its native Africa and luxuriates in the mid-summer sun. The plants grow about 2 feet high and bear golden-yellow sunflower-like blooms with black centers.

Fastuosum Hybrids. The color range is varied and very interesting—apricot shades, pure white, canary yellow, golden yellow and the well-known orange. We find that the hybrids stand extreme heat better than the original orange.

VERBENA, A

A favorite class of flowers splendid for beds, borders, cutting, and for medium sized and larger rock gardens. For quickest results start the seed indoors during February or March and transplant to flowering quarters during May. If sown outdoors in May the plants will bloom beginning late July.

HYBRIDA GRANDIFLORA, GIGANTEA

Crimson Glow is self-colored, glowing crimson, wholly without even a small light eye. The individual florets are of good size, although as is characteristic of the reds in Verbena, they are not as large as some other colors, such as pink and lavender. Crimson Glow is one of the most vivid Verbena colors. Pkt. 15c. **Lavender Glory.** Lavender, cream eye. Pkt. 15c.



Floradale Beauty. Special Mention, All-America Selections, 1937. Floradale Beauty Verbena is a giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets are of perfect form, fully rounded, and average $1\frac{1}{4}$ in. across; they make up into heads or trusses which measure 4 to 5 in. across. Pkt. 15c.

White.

Salmon Pink.

Mixed Colors.

Mounty (New). A new Verbena of great brilliance; a solid deep rose red. Plant grows 18 inches in diameter and each bloom will measure at least 4 inches in diameter. Typical of Mounty is its long-flowering spikes and vigorous growth. Pkt. 15c.

PERENNIAL VERBENAS

Erinoides (Moss Verbena). Produces a mass of moss-like foliage spreading over the ground. For beds, baskets or rockeries. Flowers purple.

Venosa (Hardy Garden Verbena). Heliotrope blue. Fine for bedding.

Bonariensis (New). A perennial Verbena that attains 5 feet, bearing rosy-lavender flowers in midsummer. Splendid for mass plantings. Award of Merit, Royal Horticultural Society, 1937. Pkt. 25c.

VIOLA CORNUTA, Pansy Violets, Tufted or Bedding

This improved strain (Viola grandiflora hybrids) produces Pansy-like blossoms, about 1 inch across. The colors include white, lemon, orange, lavender, purple, blue, etc. They form perfect mats covered with flowers from spring until cold weather. They are hardy perennials, fine for permanent beds, edgings, etc. Many of them are highly violet scented.

Chantreyland. Beautiful shade of pure apricot.

Ilona. Wine red.

Papilio. Deep violet.

Mixed Colors. Balanced mixture of all good colors.

Jersey Gem. Look like large single violets and are produced on 6-inch stems; color a pleasing shade of violet blue. It is one of the most persistent of blooming plants. If not permitted to go to seed it will produce flowers from May to frost. Pkt. 25c.

VIRGINIAN STOCKS, French Forget-me-nots, RA

Small red, rose and white flowers about $\frac{3}{4}$ in. across. Fine for edgings. For continuous display until fall, several successive sowings should be made about two weeks apart. 6 to 8 in. **Mixed Colors.**

VERONICA, Speedwell, P

An elegant hardy perennial plant of easy culture and free flowering habit. Of value as a cut flower or for the garden.

Spicata. Bright blue flowers. 18 inches.

VINCA, Madagascar Periwinkle, Old Maid, A

Ornamental free-blooming annual with bright green, shiny foliage and one of the most satisfactory and long-flowering bedding plants we have. 12 to 18 inches. **Mixed Colors.**

VIOLET, Sweet-Scented, Viola Odorata, P

The well-known sweet-scented single-flowering Violet, thriving best in a semi-shaded situation. **Blue and White.**

VISCARIA, AF

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

Blue Pearl.

Red. Dwarf; very colorful.

Rose.

White.

Brilliant Mixed.

WALLFLOWER, Cheiranthus Cheri, P

Produces spikes of beautiful, exceedingly fragrant flowers. Colors yellow, red, orange and brown. Half hardy perennials. Sow seed in open and transplant to permanent location late in summer. Should bloom second season. Height, 1 to $1\frac{1}{2}$ feet. **Mixed, Single.** Large flowering.

Finest Tall Double Mixed. Branching.

SIBERIAN WALLFLOWER. See Cheiranthus.

CHEIRANTHUS, Siberian Wallflower

Allioni. This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Though a hardy biennial, it flowers the first season from seed and when established will bloom throughout the summer.

Allioni Golden Bedder (New). Companion to the above, orange. Good size flowers. Golden yellow, on plant 12 inches in height. Blooms first from seed.

WILD CUCUMBER VINE, A

Lobata. A very quick growing vine, though the seed is somewhat slow to germinate. Excellent for covering trellises, old trees, fences, etc. Beautiful bright green foliage and honey-scented white flowers during summer.

XERANTHEMUM, Everlasting Immortelle, A

One of the prettiest and most satisfactory of the everlasting bearing an abundance of bright rose, purple, and white flowers which are showy not only in the garden but also very useful as dried flowers in winter bouquets. The plants grow 2 to 3 feet high. Sow the seed in the open ground early in May where they are to bloom. They will flower continuously from early summer until frost. **Mixed Colors.**



ZINNIAS, AF

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

Note our complete list of all the worthwhile varieties.

DWARF SORTS

For a beautiful display of color and for continuous blooms. Dwarf Zinnias are unexcelled. They are real cut flowers and will last well in the house. Try some.

Tom Thumb. These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, primrose yellow with a hundred unusual intermediate shades. **All colors mixed.**

HAAGEANA DOUBLE (Mexican Hybrids). The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls. The mixture contains many attractive colors and color combinations. **Finest Mixed.**

EARLY WONDER. A new race of Dwarf early flowering Zinnias producing masses of Pumila type flowers on nearly leafless stems. Especially nice for cutting.

Salmon Pink. Rose Pink.
Gypsy, Deep Orange. Mixed.

DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pompon flowers about 1½ inches across. The colors are bright and well varied.

Canary Yellow. Scarlet Gem.
Crimson Gem. Valencia. Orange.
Pink Gem. White.
Purple. Mixed.
Salmon Gem.

GRACILLIMA (Red Riding Hood). Deep scarlet, miniature red flowers. Very free flowering.

Zinnia Linearis

The most unusual and interesting of the newer Zinnias is the little dwarf variety, *Linearis*. The flowers, which are single, are a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal, while the center is dark brown in the young flowers, turning golden orange as the pollen develops. It is extremely early blooming, commencing to flower when the plants are about 6 inches tall and keeping on right through the season until the late frosts of autumn. It never looks untidy, as the dozens of newly opened flowers prevent the faded ones from becoming prominent. The plants reach a height of 8 to 10 inches and with plenty of room for development may have a spread of as much as 2 feet by the end of the season. Pkt. 15c.



DAHLIA-FLOWERED ZINNIA

TALLER SORTS

DOUBLE DAHLIA FLOWERED. 2½ feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Canary Bird. Rich canary yellow.

Crimson Monarch. Deep crimson, large flowers.

Golden Dawn. Golden yellow.

Golden State. Yellow-orange in bud, turning orange.

Dream. Deep rosy lavender.

Exquisite. Light rose, deep rose center.

Illumination. Deep rose self.

Old Gold. Deep and light shades.

Old Rose.

Oriole. Orange and gold bicolor.

Scarlet Flame. Bright scarlet.

Polar Bear. White.

Meteor. Deep red, dark.

Mixed.

CALIFORNIA GIANT. Our special strain of this favorite produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. The plants are of extremely robust habit, attaining a height of about 3 feet, and should be spaced 18 to 24 inches apart to allow for full development. They bear numerous semi-globular, mostly very double flowers all of the largest size, making them of great value in large beds, borders, etc. Grown under favorable conditions they remain in bloom from early summer to late autumn. Their long stems make them ideal for cutting.

Crimson Queen. Rich crimson.

Daffodil. Canary yellow.

Grenadier. Bright red.

Miss Willmott. Soft pink.

Mixed Colors. All the above and others.

SCABIOUS FLOWERED. Among the oddest and most attractive Zinnia forms, bearing a remarkable resemblance to the annual *Scabiosa*. The plants are extremely free flowering, 2 to 2½ feet high, giving a wealth of bloom throughout the summer. While the color range includes all popular shades, it is particularly rich in shades of crimson, scarlet, orange, yellow and pink. **Mixed colors, pkt. 10c.**



SCABIOUS-FLOWERED ZINNIA

FANTASY. Award of Merit, All-America Selections, 1935. The most distinctive new Zinnia. As different from the ordinary formal Zinnia as one could imagine, the delicate, lacy petaled flowers lend an air of friendly informality to the garden or flower arrangement. The rounded, medium-sized shaggy flowers are borne profusely on 2½ to 3-foot plants, in a wide and varied color range which includes the brightest shades of red, yellow and orange, as well as the popular pastel pinks and cream. **Finest Mixed, pkt. 10c.**

Star Dust. Beautiful shade of yellow. Pkt. 10c.

NEW THIS YEAR

Orange Lady. Rich shade of deep orange. Pkt. 25c.

Rosalie. Bright intense rose. Pkt. 25c.

White Light. Recommended All-America Trials, 1939. Beautiful pure white. Pkt. 25c.

SPECIAL OFFER: 1 PKT. EACH OF THE FOUR NEW FANTASY ZINNIAS, 60c. (REG. 85c VALUE.)

CROWN O' GOLD. *Desert Gold* is an aristocrat among Zinnias. The flowers are large, double and well formed, on good cutting stems, generously produced on plants which reach a height of 2½ to 3 feet. It is a good garden variety but its main claim to individuality and distinction is the delightful color combination of the flowers. The variety comprises the light and deep shades of gold while each petal is overlaid at the base with a deeper golden yellow.

Desert Gold. (Yellow). **Mixed Colors.**

DOUBLE ELEGANS (Cut and Come Again). 2 feet. These forerunners of the robust giant sorts produce relatively graceful plants adorned with fine double flowers about 2½ inches in diameter, dome-shaped and evenly double. The colors are vivid.

Canary Yellow.

Crimson.

Orange.

Mixed Colors.

Pinkie.

Scarlet.

Snowball.

Gaillardia Flowered. Another new Zinnia type, strongly resembling a *Picta* double *Gaillardia*. Medium sized flowers, just right for cutting. 2 feet tall.

Mixed Colors.

BRAEGER'S SWEET PEAS

Over a period of 19 years Braeger's have built a reputation for wonderful Sweet Peas. We are doing everything possible to maintain that reputation. Our list of varieties is sufficiently large to please everyone yet not difficult to choose the variety and colors you prefer. We list the best varieties only.

CULTURE OF SWEET PEAS

Sow as early in the spring as the ground can be prepared in rich, deeply worked soil with good drainage. Cover the seeds about 2 inches deep with fine soil and supply support to the growing vines before they grow too large. Keep well watered during dry periods. One ounce of seed will plant a row about 15 feet long.

GIANT SPENCER MIXED. This superb mixture has been formulated to afford unusual richness and brilliancy. It contains the finest named sorts, and we have endeavored to make it the choicest blend possible. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

SPECIAL OFFER

This year in Braeger's Special Collection we offer

NINE SEPARATE PACKETS

50c

Finest varieties grown.

Pinkie. Deep rose pink.	Sextet Queen. White.
What Joy. Yellow.	Reflection. Pure blue.
Smiles. Salmon.	Welcome. Scarlet.
Floradale. Salmon pink.	Ambition. Lavender.
Prince of Orange. Brilliant orange.	

Prices on SPENCERS — Separate Colors:

Pkt. 10c; any three pkts. 25c; 1 oz. 25c. (See collection.)

BLUE

Chinese Blue. By far the best of the rich blue shades—a clear, pure color.

Fortune. A fine shade of rich dark blue.

Gleneagles. A most beautiful tone of light blue with just a suggestion of lavender. The flowers are exceptionally large; the standard broad and well expanded and frilled and waved to an extraordinary degree. Awarded First Class Certificate, Scottish National Sweet Pea Society Trials.

Reflection. Clear cornflower blue. Unusually vigorous, extra long stemmed. Flowers of splendid substance and beautifully waved. Today's most popular and best clear blue.

CARMINE

Damask Rose. The brightest rose carmine Sweet Pea. This is an outstanding pea.

CERISE

Beatall. Pale blush cerise with a suffusion of salmon and rose. A very rich and charming Sweet Pea.

Charming. A bright rosy cerise. This sort carries fine bold flowers that are beautifully waved.

Mrs. A. Searles. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color.

Flamingo. Orange and scarlet, heavily shaded cerise. Absolutely sunproof. Certificate of Merit and Silver Medal Scottish National Sweet Pea Society Trials.

CREAM

What Joy. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

CRIMSON

Rubicund. Rich crimson scarlet. This is an exceptionally good sweet pea, lacking nothing in size, shape, stems and vigor.

Red Boy. The very best crimson. It is a first class sweet pea for all purposes, especially for general garden culture.

Sybil Henshaw. Glowing blood-red. This has superseded King Edward Spencer as the standard crimson.

IVORY

Ivory Picture. Rich ivory cream, flushed pink. Black seeded.

LAVENDER

Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit, National Sweet Pea Society Trials.

Powerscourt. A clear pure lavender. Has been considered the best lavender for a number of years.

MAROON

Warrior. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

MAUVE

International. Rich deep rosy mauve.



TYPICAL OF OUR SPENCERS

PURPLE

Olympia. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

ORANGE

Excelsior. Beautiful shade of orange-scarlet. Will please the most critical.

Pirate Gold. Golden orange, deeper than Guinea Gold and brighter than Prince of Orange. It withstands hot sun.

Prince of Orange. Brilliant orange. Unsurpassed in this color class for vigor, size of flowers and long stems. Gorgeous under artificial light.

George Shawyer. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit, National Sweet Pea Society and the Royal Horticultural Society.



Best Blooms can be obtained

by inoculating all Sweet Peas

SALMON

Smiles. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted.

SCARLET

Welcome. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

Honour. Rich crimson. This fine English variety bears large beautifully waved blossoms.

WHITE

Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. When grown for exhibition on the Cordon system, will give six-flowered stems with quite a number of sevens. Black seeded. Award of Merit, National Sweet Pea Society Trials.

Avalanche. Immense glistening white flowers. The blooms are very frilled. White seeded.

PICOTEE

Youth. The flower is strongly perfumed. It can be described as a white ground picotee but with slightly deeper color on the edges than its predecessor in this group.
Sunkist. Similar to Youth, except that it has a cream ground. Both these Sweet Peas are dainty color combinations.

PINK

Pinkie. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blooming period.

Ascot. Clear deep bright pink with heavily waved flowers.

Beauty. This is the largest and most vigorous blush pink Sweet Pea in existence and will displace all other varieties of similar color.

Magnet. Richest, brightest and best cream pink. One of the best exhibition and garden varieties. The flowers are of the largest size. Gold Medal, Scottish National Sweet Pea Trials. **Floradale.** A most artistic flower of rich salmon-pink on cream ground. It received the Award of Merit of the National Sweet Pea Society of Great Britain.

Mayfair. The best, largest and richest colored shell-pink on white ground. Very sweetly scented. Award of Merit, National Sweet Pea Society Trials.

Jack Hobbs. Cream-pink, flushed scarlet. One of the largest Sweet Peas ever introduced. Gold Medal. Award of Merit, National Sweet Pea Society Trials.

Miss California. This beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most distinct and beautiful shade of rich pink, deeply flushed and shaded with salmon.

Mary Pickford. A beautiful dainty, cream pink with just the faintest suffusion of salmon, making a color combination of delightful beauty. Flowers large, decidedly waved on long stems. A novelty of real merit.

Susan. Pleasing combination of flush pink on cream. Will blend with most every color of sweet pea.

EARLY FLOWERING SWEET PEAS

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting and also for outdoor sowing. This class is recommended for all sections where spring is late and of short duration, as they give flowers before the summer heat arrives. Duplexed varieties often have 3 to 4 standards and the same number of wings, giving the appearance of a semi-double flower.

The following 12 varieties we consider the most valuable for cut flowers. Price, pkt. 10c; 1 oz. 40c.

Shirley Temple is one of the most beautiful Sweet Peas we have ever seen. It has blooms with the size and richness of color in Pinkie plus the dainty frilled and fluted flowers of Lady Gay. The color is softer and more beautiful than Pinkie.

Exposition Pink. Gorgeous rich pink rather resembling the color of the well known Ivy Leaf Geranium "Charles Turner".

Majestic Rose. Brilliant rose-pink, richer and deeper than Zvolanek's Rose.

Lavanda. A pure clear lavender—so clear and uniform that full blown blossoms and partly open buds are of exactly the same color. Excels all other lavender Sweet Peas.

Mrs. Herbert Hoover. Bright blue, extra long stems.

Hope. Pure black-seeded white.

Valencia. Bright sunproof orange.

Annie Laurie. Richest tone of pure rose-pink.

Lady Gay. A delightful shade of soft shrimp pink.

Red Bird. Bright crimson red.

GIANT RUFFLED SWEET PEAS

Giant Ruffled Sweet Peas are a somewhat new development in Sweet Peas. They are distinguished by the unusual duplexness and extra frilliness of the flowers. This gives a double appearance to the large, wavy and ruffled flowers which makes them so distinct. For a new delight in Sweet Peas try Giant Ruffled Sweet Peas this year.

Burpee Blue. Winner of the Award of Merit of the National Sweet Pea Society of Great Britain. Another prize winner. Flowers are large, beautifully waved, heavily ruffled and duplexed, and of a distinct dark blue, bright and clear and uniform throughout. It is outstanding in its color class. Price, pkt. 15c; 1 oz. 35c.

GIANT RUFFLED SWEET PEAS, MIXED COLORS. This outstanding mixture represents the finest ever offered in Sweet Peas. It contains all of the named marvelous Giant Ruffled varieties offered on this page, and also many other colors of which we do not have, as yet, sufficient stock to offer separately. Each variety, having been grown by itself and blended later on according to color values, will insure a perfect color harmony which is sure to please even the most critical flower lover. Prices on mixed: Pkt. 10c; oz. 20c; 2 oz. 35c.

Price on Following Separate Colors: Pkt. 10c; 3 for 25c; oz. 25c.

Bonnie Ruffles. It is a wonderful variety, unusually large, long stemmed, and of a most distinctive coloring, one that is difficult to describe—salmon-pink on rich cream, the pink becoming a little deeper towards the edge of the standards and wings.

Crinkles. The blooms of Crinkles are very large, wonderfully ruffled, and delightfully frilled. A most gorgeous shade of rich cerise-pink suffused coral, somewhat lighter colored on the wings.

Heyday. A great big ruffled flower, well duplexed and beautifully frilled, deep rose-pink enlivened by tones and suffusions of amber or primrose towards the edges of both the standard and wings. The wings are slightly deeper than the standard.

Ruffled Crimson. Flowers are of the largest size, heavily ruffled and duplexed, and extra long stemmed. Rich satiny crimson that deepens a trifle towards the edge of both the standard and wings. Much admired.

Fluffy Ruffles Improved. The first of the famous Burpee Giant Ruffled Sweet Peas with dainty cream-pink duplexed and frilled, almost globular, flowers.

Lady Ruffles Improved. Beautiful soft pink on white ground, the warm glow of color running well down to the base of the standard and wings. Received the high honor of winning the Gold Medal of the Scottish National Sweet Pea Society. Attractive.

Ruffled Beauty. Cream-pink with a sheen of bright lilac that gives an unusually charming effect of silvery pink on amber. Exquisitely ruffled and duplexed; large and impressive.

Ruffled Blue. Delightful bid-blue shade, the beauty of which is enhanced by a deeper blue shading in the center, which becomes lighter at the edge of the standard. Wonderfully ruffled and duplexed.

Ruffled Exquisite. Scintillating salmon-cerise with a glow of deeper salmon in the standard. Flowers are of the largest size, wonderfully ruffled and duplexed, full of life and sparkle; very lovely color.

Ruffled Purple. A rich glowing shade of purple enlivened by a sheen of warm coppery rose over both standard and wings. The well-formed flowers are heavily ruffled and duplexed. Vigorous; free blooming.

Ruffled White. The outstanding white-seeded white Sweet Pea; gigantic flowers which are beautifully ruffled, with duplex and triplex standards. Often five blooms to a spray.

CUPID, DWARF, OR BEDDING SUMMER SWEET PEAS

These are summer-flowering Sweet Peas for the garden where they may be used for beds and borders as they grow 6 inches high and about a foot wide. They bloom from June until late summer. Price, pkt. 10c; 1 oz. 35c.

Bambino Blue. Mid blue, early flowering.

Bambino White. Pure white.

Little Nell. Pink and white.

Peter Pan. Deep bright pink.

Choice Mixed.



PRES. HOOVER

Plant More Roses This Year. See Page 34 for List.

MODERN DAHLIAS

A special selection of some of the newer varieties that have proven the most satisfactory and easy to grow.

GIANT FLOWERED VARIETIES

Following abbreviations are used in designating the different types of Dahlias that are listed below: (FD) Formal Decoratives; (ID) Informal Decoratives; (Cac) True Cactus; (SC) Semi-cactus.

Andreas Hofer (Cac). A beautiful pink color, shading to a creamy center. Free-flowering. European variety with dandy stems to cut, 3 ft. 35c.

Bicolor (FD). Bright orange-scarlet, heavily tipped with white. Stems very strong, hard and upright. Free flowering and showy. 4 ft. 60c.

Ballego's Glory (FD). An imported Holland variety of a most gorgeous color. Rich mahogany red with golden edge and tip to each petal. Its perfect form, ideal growth and long erect stems and flowers, make it a dahlia everyone wants when in bloom. Every flower comes true to color. 4 ft. 50c.

Chas. G. Reed (FD). Most unusual variety. Deep, rich violet red with silver tintings. Of extremely large size, but erect on stoutest of stems. 3½ ft. 50c.

Cora Butterworth (FD). Pure primrose yellow of monster size with long, wavy petals on extra good stems. 4 ft. 50c.

Elegance (SC). Yellowish buff, tinted with coral. Large blooms of beautiful formation. Ideal stems. 3½ ft. 50c.

Golden Emblem (ID). Clear golden yellow. Flowers are most artistic with high centers and long, wavy recurring petals. Erect blooms far above foliage. Keeps well. 50c.

Grace Curling (ID). Lavender, tinted pink and shading to white at the base. Fine stems. 4 ft. 35c.

Inkyo (SC). Produces in abundance velvety maroon red, incurved blooms well above foliage on long stems. 4 ft. 35c.

Jane Cowl (ID). A massive, deep flower of bronzy buff and old gold. Stems of unusual strength. 4 ft. 35c.

Jersey's Dainty (Cac). Very fine white faintly tinted pink. Slightly incurved. Long erect stems. 4 ft. 50c.

Marshall's Beauty (FD). Deep, rich rose pink. Same as "Jersey's Beauty" but a much richer color. 5 ft. 50c.

Mrs. Alfred B. Seal (ID). One of the largest and finest pure, old-rose dahlias to date. Constant prize winner. 5 ft. 35c.

Nancy Robinson (ID). A cut flower dahlia par excellence and admired by all. Pure lovely pink in color. A free and consistent bloomer; wonderful for basket use, etc. 50c.

Nopal (SC). A large, rich nopal red. Erect on long stout stems. Beautiful formation. 4 ft. 35c.

Orange Beauty (FD). Rich blending of salmon-rose and orange. Big, high-centered flowers rigidly held at just the right angle on perfect stems. Ideal growth. 5 ft. 50c.

Oriental Beauty (SC). Beautiful large blooms of perfect form on long erect stems. Brilliant, pure pink. 5 ft. 50c.

Salbach's White (FD). Ivory white of most perfect form. Large blooms of wonderful substance for cutting. Has dandy stems and blooms profusely all season. 5 ft. 35c.

Satan (SC). One of the largest ever grown. Hornlike petals of flaming red, tinted gold at base. Blooms held rigidly erect above foliage on grand cane-like stems. 4 ft. 50c.

The World (FD). A dandy of unusual color. Deep, rich, rosy magenta, overlaid garnet, with silvery shadings at edges and tips. Stems are perfect; very free; 4 ft. 35c.

The Duchess (SC). Large, massive flowers of deep yellow, heavily tipped pure white. Incurved petals. 4 ft. 50c.

Thomas A. Edison (FD). Royal purple of large size, perfect form and excellent stems. Gorgeous and popular. 4 ft. 50c.

6 SPECIAL OFFERS OF DAHLIAS

Our selection of Choice Named Varieties—all Labeled.
Postpaid—Order by Number.

1. Three distinct colors, of Decorative type. 50c.
2. Three different large Semi-Cactus sorts. 60c.
3. One Cactus, one Semi-Cactus and one giant Decorative. 50c.
4. Three dandy little Miniatures. Distinct colors. 40c.
5. Four different Pom Pon Dahlias. 50c.
6. Three different Prizewinning Grand Dahlias. 75c.

MINIATURE DAHLIAS

Miniatures are the same type as the large varieties but measure less than three inches in diameter. They are very dainty, bloom profusely and have splendid keeping qualities.



DECORATIVE DAHLIA

Miniature Decorative and Semi-Cactus Types

Baldre. A brilliant salmon-rose. Extra stout stems. 3 ft. 35c.
Bobbie. Rich orange buff; long upright stems. 3½ ft. 35c.
Corona. Purest white and very formal shape. 4 ft. 35c.
Freida. Rich shining maroon; extra fine. 3 ft. 35c.
Garden Love. Carmine rose with gold base; 2 ft. 35c.
Red Sea. Very showy scarlet red; extra free. 3½ ft. 35c.
Rhoda. A beautiful glowing orange rose shade; 3 ft. 30c.
Snowdrift. Pure white of cactus form; very free; 4 ft. 35c.
Sparklet. Rosy cerise crimson; pointed petals; 2½ ft. 35c.

Miniature Peony-Flowered or "Charm" Types

Artistic semi-double flowers—long wire-like stems.
Blue Coat. Bluish lilac with crimson base; 3 ft. 30c.
Dawn. Bronzy buff with scarlet disc; ideal stems; 3½ ft. 35c.
Memory. Waxy yellow suffusing to lavender at tips. 35c.
Nora Bell. Orange carmine, tinted blue flame; 3 ft. 35c.
Our Annie. Shrimp pink, shading to gold base; 3 ft. 30c.
Pink Pearl. Small flower of pure, rose pink; 3 ft. 30c.
Tiny. Rich amber, tinted bronze; small, artistic and extra free. Long, wire-like stems; none better; 3 ft. 35c.

POMPON DAHLIAS (Miniature Ball Dahlias)

Small, compact, quilled petaled blooms 1 to 2 inches in diameter. Useful and lasting cut flowers.

25c each; any 5 (your choice) \$1.00.

Beebe. Combination of pink and mauve. Extra free flowering.
Billie. A dark, rich crimson shade; extra fine.
Bonella. Deep lilac-rose color; very neat.
Cora May. Salmon pink, cream and yellow.
De Dee. Small lilac lavender; good stems.
Daisy. Salmon, tinted gold; fine stems.
Darkness. Darkest maroon; long stems.
Girlie. Pretty rosy mauve color. Neat, small flowers.
Joe Fette. An ideal, pure milk white; profuse.
Libby Rohr. Bright purplish cerise; long stems.
Mike. Bright scarlet orange. Small size, perfect form.
Marietta. Deep rosy crimson. Long stems; very free.
Peggy Ann. Yellow, shaded brownish red; long stems.
Tommy Lang. Maroon purple tipped with white.
Yellow Gem. The best yellow and of a softer tint that will blend with all other colors; extra fine.

Call or write for Complete List
of Modern Dahlias.

Many Additional Newer Varieties.



BOWL OF GLADIOLUS

GLADIOLUS

**OUR STOCK OF GLADIOLUS IS THE BEST GRADE
OBTAINABLE AND IS ABSOLUTELY THRIPI FREE**

6 for 25c, doz. 40c.

Betty Nuthall (Sal.) A glowing orange pink, with a light yellow throat, and a light feathering of carmine. The florets are often six inches across and are of a splendid substance and placement.

Golden Dream (Groff). One of the best deep yellows. Very tall growing spike, with six or seven blooms open.

Apricot Glow. Clear warm apricot colored primulinus grandiflora. Extra fine tall spikes make it fine for cutting. Very early.

Giant Nymph. Lovely light rose-pink suffused with creamy yellow in the throat. Giant flowers.

Gold Eagle. Tall clear yellow.

Los Angeles. Shrimp-pink, accentuated by glowing orange-carmine feathering in the throat.

Mrs. Leon Douglas (D). Salmon-rose striped deeper. Several immense blooms on a 5 ft. spike. A leading commercial and exhibition variety.

Mrs. P. W. Sisson (Coleman). Creamy light pink. Tall, strong grower. Six or more large blooms open at a time. Outstanding variety.

Picardy (Palmer). Color, soft apricot pink with a silvery sheen, feathering of slightly deeper color in the throat. The individual florets are extremely large, slightly ruffled and of a heavy waxlike substance.

5 for 25c, doz. 50c.

Dr. F. E. Bennett (D). The popular, well known fiery red. One of the most brilliant scarlets grown. Fine large flower.

La Paloma (Dus.) Heavy textured, deep rich orange. Stands sun and rain better than most oranges. Tall strong, healthy grower.

Pfizer's Triumph (Pf.) Blooms have a diameter of 6 inches or more and are of a bright salmon orange with velvet red blotch. A sensation wherever exhibited.

20c each, 3 for 50c.

Moorish King (Pf.) Extremely large and the most beautiful deep velvety red individual flower ever seen in this color. Flowers are not usually well placed and slow propagator.

Supreme Mixture, per dozen 35c; \$2.75 per 100.

4 for 25c, doz. 60c.

Ave Maria (Pf.) Large flowering. Light blue with small purple blotches. Excellent facing and remarkably good spike.

Albatross (Pf.) Unquestionably the clearest white gladiolus ever introduced. Grows 5 ft. tall, has good substance and opens 5 or 6 large blooms at a time.

Berty Snow (Mair.) One of the best lavenders. Has good substance, large flowers and straight spikes.

Bleeding Heart. Fine variety for cutting. White with blush of pink.

Coryphee (Pf.) Purest pink imaginable. Perfect, well formed, large round flowers. Eight to ten in number, carried on an excellent spike.

Minuet (Coleman). Wonderful clear lavender. A lavender by which all others are judged. Six or seven wide open florets open at a time. Arranged perfectly on straight spike.

Pelegrina. The large deep blue flowers have a strong appeal due to their color and fine arrangement of the florets.

Purple Glory. Beautiful color with ruffled flowers. A favorite.

Troubadour (Pf.) Large, clear purple. Tall grower with long spike with 6 or more large blooms open. The best large purple.

3 for 25c, doz. 75c.

Commander Koehl (Pr.) Large dark scarlet red, without markings or blotches. Individual florets 6½ inches across, of which there are 6 or 7 open at a time.

Blue Triumphant. Huge flowers of pale blue. New.

Mother Machree (Stevens). Vinaceous lavender overlaid toward the edges of the petals with a sort of salmon pink. Color is difficult to describe but it is very beautiful. This is called a smoky but is really much different from the ordinary smokies.

Red Phipps. Really a pink overlaid scarlet. Has real merit.

Yellow Perfection. One of the finest yellows. Very large flowers with a good spike.

GLADIOLUS COLLECTION

We offer this group of choice varieties: 10 corms each:

LOS ANGELES. Fine Pink.

DR. BENNETT. Fiery Red.

ALBATROSS. Clear White.

PELEGRINA. Deep Blue.

LA PALOMA. Rich Orange.

(Regular Value \$2.15)

SPECIAL AS A COLLECTION, \$1.50; POSTPAID, \$1.65

BRAEGER'S TESTED VEGETABLE SEEDS

We select our Vegetable seeds with great care, offering only those kinds that will give you great satisfaction. Our seeds are germination tested. There are no better to be had. Whether you plant a few packets or are a market gardener we can please you.

ARTICHOKE

Green Globe. Plants of medium height with large thistle-like medium deep green foliage. The edible buds or flower heads are deep green, globe-shaped or ovoid. Pkt. 5c.

ASPARAGUS

1 oz. to 100 ft., 5 lbs. per acre.

Mary Washington. A strain selected from Martha Washington. It is a little earlier and more vigorous than the original. The shoots are slightly ovoid in shape, firm and tender and richly flavored. Rust-proof. Pkt. 5c.

BEANS

Dwarf beans, 1 lb. to 100 feet., 60 lbs. per acre.

Pole beans, $\frac{1}{2}$ lb. to 100 ft., 30 lbs. per acre.

Plant Beans after all danger of frost is past, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered $1\frac{1}{2}$ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming; then stop to avoid injury to the roots. Root injury causes the blossoms to fall. For succession, plant every 2 weeks until midsummer. Frequent picking of the crop insures long bearing. Pkt. 10c; 1 lb. 30c; 10 lbs. \$2.50. Postpaid.

Bush, Green Pod

Dwarf Horticultural. Particularly desirable green shell and snap sort for home and market garden. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish yellow splashed with carmine. 5 to $5\frac{1}{2}$ inches long. Strictly stringless, slightly fibrous. Seeds plump oval, pinkish buff, spotted and streaked with purplish red.



STRINGLESS GREEN POD

Stringless Green Pod. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green $5\frac{1}{2}$ inches long, almost $\frac{1}{2}$ inch wide and equally thick. Very fleshy, strictly stringless, fine grained, tender. Pkt. 10c; 1 lb. 25c.

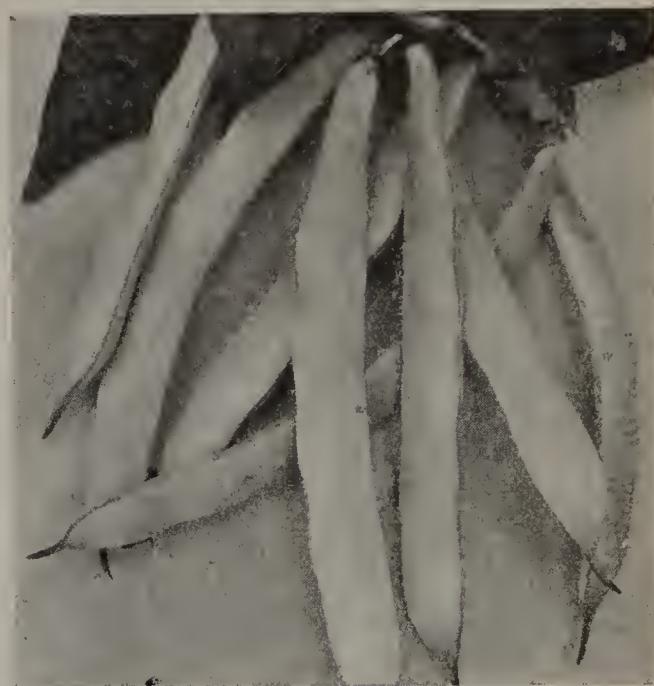
Stringless Refugee. Splendid canning variety; young pods particularly valuable for canning and picking whole. Pods medium green; very uniform, 5 to $5\frac{1}{2}$ inches long. Round, absolutely stringless, very fleshy, brittle and fine grained.

Stringless Black Valentine. Very good variety for home use and market gardeners. Stringless and very prolific. Dark green, oval shaped pods. Black seeded and early.

Tendergreen. This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

Canadian Wonder. A splendid sort for shelling while green, but can be used for Snap Beans when young. Plant grows large and is a heavy bearer. Beans are kidney shaped. Maroon in color and 7 to 8 inches in length.

Broad Windsor, Fava or Horse Beans. A late variety for shell beans. Plant grows very large and vigorous. When ready to eat, beans are light green, broad and flat. Many people plant this variety in the fall. It is hardy. Pkt. 10c; 1 lb. 25c.



BLACK WAX

Bush, Wax Pod

Improved Stringless Kidney Wax. Excellent for canning and for home and market garden use. Plant large, erect and productive. Pods oval, light yellow, stringless and of fine flavor. Seed white, kidney shaped with black eye.

Round Pod Kidney Wax. An outstanding sort for home use and canning. Extremely heavy producing bean. Pods are round, medium yellow, fleshy and absolutely stringless.

Pencil Pod Black Wax. Very desirable for home and market garden and for truckers. Plant large and thrifty. Heavily productive over long period. Pods handsome bright yellow. $5\frac{1}{2}$ to 6 inches long, $\frac{3}{8}$ inch thick, cylindrical; very fleshy, stringless, brittle, fine grained, and tender.

Pole Beans

Prices: Pkt. 10c; 1 lb. 30c; 10 lbs. \$2.50

Asparagus or Yard Long. Long narrow rounded pods that are a novel addition to the menu.

Blue Lake or White Creaseback. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, $5\frac{1}{2}$ inches long, $\frac{1}{2}$ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking.

Kentucky Wonder. This most popular of all pole beans should be in every garden. The dark green pods are round and long, measuring 9 to 10 inches; they are always stringless as snaps, and never become tough. Seeds light brown colored.

Kentucky Wonder Wax. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow and broader. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown.

White Seeded Kentucky Wonder. A splendid sort for your garden. Stringless round pods of silvery green. Medium tall. Heavy yielder.

Yount or Oregon Giant Green Pod. We highly recommend this variety to home gardeners. It keeps producing until killed by frost. Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow, splashed with red. A very tasty bean that requires very little care. Pkt. 10c; 1 lb. 35c.

Lazy Wife. Used principally for shelling, green or dry, but makes a good snap bean as well.

Tall Horticultural. The pods when young are of excellent quality and make fine snap beans. They measure 5 to 6 inches long and are stringless. The dried beans are grown extensively for winter use. They are large, of a light fawn color, speckled with dull red. Highly recommended.

Lima Beans, Dwarf

Burpee's Improved Bush. Plants, large, heavily productive. Pods large, $4\frac{1}{2}$ to 5 inches long. Usually contain 4 large, thick beans. Dry beans large, flat, greenish white.

Henderson Baby Lima. The small Lima. Delicious and prolific.

Lima Beans, Tall

Oregon Pole Lima. Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

King of Garden. A large pod, vigorous, productive Lima. Grows tall and starts bearing near the foot of the pole. Sets pods until frost.



BRAEGER'S DETROIT

BEET

1 oz. to 100 ft., 6 lbs. per acre.

Seed should be sown at the rate of one ounce to 100 feet of row. The rows should be spaced 18 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce Beets if sufficiently fertilized and properly tilled. All varieties of Beets sell for: Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 75c. **Braeger's Improved Detroit Dark Red.** The standard of excellence in table Beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe shaped; symmetrical, with small collar and small tap-root. Very dark blood red.

Oregon's Early Wonder. Very desirable for home and market garden. Tops small. Root flattened globe shape with small collar and tap-root. Dark purplish red. Flesh deep purplish red zoned a lighter shade.

Extra Early Flat Egyptian. Best for forcing and particularly valuable for early market. Tops small and upright. Roots flattened, with long slender tap-roots. Flesh dark purplish red zoned lighter.

Strawberry. This newer sort is extremely early and more globe shaped than the old Egyptian. Flesh very tender and sweet, rich vermillion red. Exterior is strawberry red.

SUGAR BEET

1 oz. to 100 ft., 6 lbs. per acre.

Sugar Beets are desirable not only for sugar making but for stock feeding, and when small they may be used for the table. The soil producing best results is a rich, friable sand or clay loam. Cultivation is the same as for Mangel Wurzel. Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 75c.

Klein Wanzleben. The most desirable Beet for sugar manufacture. Valuable for stock feeding. Roots medium large. 12 to 15 inches long, 3 1/2 to 4 inches at shoulder, tapered; white, with a tinge of gray; very rich in sugar content. Good keeper.

MANGEL WURZEL

1 oz. to 100 ft., 5 lbs. per acre.

Valuable as stock feed. Plant early in the Spring in rows 2 1/2 feet apart. The seeds should be 1 inch apart in the row and covered by 1 1/2 inches of soil firmly pressed down. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart. All varieties of Mangels: Pkt. 5c; 1 oz. 10c; 1/4 lb. 15c; 1 lb. 40c.

Danish Sludstrup. Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge.

Giant Half Sugar. This variety is one of the favorite among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary Mangel.

Golden Tankard. Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground. Flesh yellow with white zones.

Mammoth Long Red. Superior to strains offered as Norbiton Giant, Colossal Monarch, etc. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground. Light red; flesh white tinged with rose.

BROCCOLI

1/4 oz. to 100 ft., 4 oz. per acre.

This is similar to Cauliflower in color, character of foliage, form, and size of heads. It requires a long growing season and is especially suited to Pacific Coast States.

Italian Green Sprouting. This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 to 10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. Pkt. 10c; 1 oz. 75c; 1/4 lb. \$2.50.

St. Valentine. Standard market variety for March shipment. Plants large. Heads large, solid, white, and very well protected. Pkt. 10c; 1 oz. 90c; 1/4 lb. \$3.00.

BRUSSELS SPROUTS

1/4 oz. to 100 ft., 4 oz. per acre.

Dwarf Improved. Plants dwarf and compact. 20 inches tall. Very uniform; stem well covered with firm, round cabbage-like balls of 1 1/4 to 1 1/2 inches in diameter which mature in succession. Pkt. 5c; 1 oz. 25c; 1/4 lb. 90c.

CABBAGE

1/4 oz. to 100 ft., 1/4 lb. per acre.

For plants of early kinds, sow seed in January under glass, and put out into flats about 2 inches apart. Transplant to open ground as early in the spring as the soil can be prepared, setting 1 1/2 feet to 2 feet apart, in rows, which should be 3 feet apart. Cultivate frequently, and during dry weather water copiously. Late Cabbage seed should be sown in drills in open ground during April and May, and transplanted in June or July. Fertilize heavily, using 400 pounds Nitrate of Soda per acre in three dressings, one-third when plants are set out, and two-thirds a month apart later. Pkt. 5c; 1 oz. 20c; 1/4 lb. 70c; 1 lb. \$1.75.

Copenhagen Market. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plants small, compact, allowing very close planting. Stem short; heads uniformly round; firm; become 6 to 7 inches in diameter. Weight, 3 1/2 to 4 pounds.

Danish Ball Head. One of the best late Cabbage. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid; of excellent quality; keep perfectly in storage until late spring.

Early Jersey Wakefield. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem short. Heads firm and conical; usually 7 inches long, 5 inches thick near base; weight, 2 to 2 1/4 pounds.

Golden Acre. The earliest round headed Cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short. Heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 pounds. This strain is grown especially for Braegers by one of the best growers of Denmark. Pkt. 5c; oz. 35c; 1/4 lb. \$1.25; \$4.00 lb.



LATE FLAT DUTCH

Late Flat Dutch. The best very large, late Cabbage. Popular for home and market garden. A good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep, and weigh 12 to 14 pounds or more; firm and of good quality.

Mammoth Red Rock. A sure cropper and used very extensively for pickling.

Savoy. The deep green, crinkled outer leaves enclose the tender, light green heart. It matures late in the fall and will keep all winter long.

Chinese Improved or Wong Bok. This exceptionally fine vegetable is rapidly growing in public favor. Its growth, which resembles the Cos lettuce, has long heads and crisp leaves. Very mild and pleasant flavor as a salad or cooked.

Zero Cabbage. Without doubt every grower who has grown our Zero Cabbage considers this the best for the Northwest. It is unquestionably the best Cabbage for crating or general market purposes. The outer leaves are deep green and will hold color weeks after cutting. It is the best keeper of all and will stand more freezing weather than other varieties. It has been known to stand zero weather and come through in fine shape. Pkt. 5c.

Charleston Wakefield. Fine variety for both market gardeners and the home garden. A week later than regular Wakefield but half again as large.

CELERIAC

1/4 oz. to 100 ft., 1/4 lb. per acre.

Sow seed at the same season and give same treatment as common Celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. Give thorough culture. It is not necessary to earth up or handle the plants. After the roots have attained a diameter of 2 inches, they are fit for use.

Large Smooth Prague. An improved variety of turnip-rooted Celery producing large tubers of nearly globular shape and comparatively smooth surface. Pkt. 5c; oz. 25c; 1/4 lb. 75c.

CARDOON

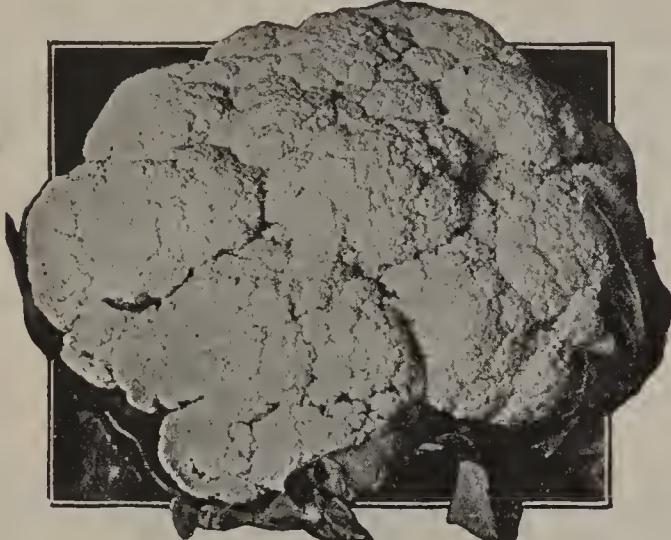
A perennial winter vegetable with all, fleshy leaf stalks and ribs, and grey-green foliage. When blanched, the stalks are tender and of pleasant flavor, and are commonly cooked and served in the same way as asparagus. Pkt. 5c.

CAULIFLOWER

1/4 oz. to 100 ft., 1 oz. per acre.

The same methods that produce good Cabbage will grow good Cauliflower. The only great difference is that Cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

Danish Giant, Dry Weather. One of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large, 6 to 7 inches across, commonly weigh 2 pounds. White with tinge of cream; of splendid quality. Pkt. 10c; oz. \$1.50; 1/4 lb. \$5.00.



SNOWBALL

Early Snowball. The best for greenhouse forcing, early market, and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across, weight, 1 1/2 to 2 pounds. The standard of excellence in Cauliflower. Pkt. 10c; oz. \$1.75; 1/4 lb. \$5.50.

Autumn Giant. Also known as California Wonder. Is a large, late sort producing quite compact, white heads, surrounded by a mass of large, spreading leaves. Pkt. 10c; oz. \$1.00; 1/4 lb. \$3.00.

Catskill. One of the best types for late planting; heads very uniform in size. Splendid shipping variety. Market gardener's favorite. Pkt. 10c; oz. \$2.00; 1/4 lb. \$5.50; 1 lb. \$20.00.

Super Snowball. A very fine variety used both for early and late planting. Heads early and uniformly. Medium large and very white. Fine market garden variety. Pkt. 10c; oz. \$2.00; 1/4 lb. \$5.50.

CARROTS

1/2 oz. to 100 ft., 2 lbs. per acre.

Sow seed in light sandy soil, from April to July, in drills 1 1/2 feet apart, covering the seed 1/2 inch deep. Thin out the young plants from 3 to 5 inches apart, according to size of variety. Cultivate freely and do not allow the soil to get too dry during hot weather. All varieties of Carrots: Pkt. 5c; 1 oz. 10c; 1/4 lb. 30c; 1 lb. 90c.

Imperator. This Carrot grows to a length of 6 to 7 inches with a shoulder diameter of 1 1/4 to 1 1/2 inches and is a deep orange color. It has a smooth crown; does not have undesirable side shoots; has a fine texture, and is good and sweet. In all respects it is very attractive for shipping purposes.

Oregon Chantenay. Flesh is a deep golden orange color, always smooth and fine in texture, very tender. Excellent bunching variety and grown exclusively by market growers.

Red Cored Chantenay. Tender and sweet. Roots a little shorter than Oregon Chantenay. Flesh reddish orange.

Danver's Half Long. The roots are a rich dark orange color and by reason of its symmetrical shape which is long and pointed, it makes an excellent bunching variety. It has proved over a period of years to be the most popular Carrot, both with the grower and the shipper.

Nantes Coreless. Excellent for forcing, as well as for home and market garden use. Tops very small. Roots bright orange, cylindrical, blunt tipped. Flesh reddish orange, crisp, tender and of very delicate flavor. Practically coreless.

Oxheart. Beautiful shape and color. The roots generally attain 4 to 5 inches in length, and about 3 inches in diameter. Quality first rate, very tender, and a variety that is used in quantity.

Long Orange. A heavy cropper on light soils; much grown for stock as well as for table use. Roots scarlet-orange; 10 to 12 inches long, 2 inches thick at the top; tapered, pointed.

Stock Carrots

1/2 oz. 10c; 1/4 lb. 25c; 1 lb. 75c.

White Belgian. A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed, it will yield as much as 40 tons per acre. Roots are 7 to 8 inches long, 3 inches across at the top, tapered and pointed.

Yellow Belgian. A very productive variety, with roots measuring 20 inches long. They are broad at the shoulder, and gradually taper to a fine point. The skin below the ground is a light orange, but above the soil surface it is green. Will yield heavily, particularly on good deep soil.

CELERY

1/4 oz. to 100 ft., 1/4 lb. per acre.

Sow from February to May in drills 1 foot apart. Later, usually in June, transplant to rows 3 feet apart and 6 inches apart in row. Rows should be furrowed out so plants may be set 6 inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce five thousand plants.

Golden Plume or Wonderful. Early and very desirable for home and market garden. Plants medium sized; stocky, full hearted, and compact. Thick solid stalks blanch readily and are of the finest table quality. Pkt. 5c; oz. 75c; 1/4 lb. \$2.25.

Golden Yellow Self Blanching. Early and particularly desirable for home and market garden. Plants fairly tall and compact with firm stalks, 26 to 28 inches tall, which blanch readily and are of splendid quality. Pkt. 5c; oz. 50c; 1/4 lb. \$1.75. **Utah.** Very popular on the Portland market. Light green in color, nutty flavor and fine quality. Pkt. 5c; 1 oz. 75c; 1/4 lb. \$2.25.

SWISS CHARD

1 oz. to 100 ft., 6 lbs. per acre.

New Savoyed Leaf "Lucullus". An improved variety about 2 1/2 feet high. Heavy stalks are over an inch thick and bear for more than a foot of their length. Leaves make the finest of greens. By cutting back the leaves close to ground tender shoots spring up quickly; these or mid-rib very delicious cooked as asparagus. Pkt. 5c; 1 oz. 10c; 1/4 lb. 25c; 1 lb. 75c.

CHICORY

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow Chicory when weather becomes warm and settled. Sow in rows at least 24 inches in width. Thin to 3 inches between plants. Pkt. 5c; 1 oz. 20c; 1/4 lb. 45c; 1 lb. \$1.60.

Large Rooted or Magdeburg. Dried roots are roasted and used as a substitute for coffee. Roots 12 to 14 inches long, 2 inches in diameter at top; weigh 16 oz.; tapered; resemble dwarf white sugar beets.

Radichetta or Cicoria di Catalogna. Of Italian origin, increasingly popular with market gardeners. An annual with leaves like Dandelion used for early greens; leaves and flower shoots very tender, with faint asparagus flavor.

Witloof (French Endive). Seed sown in spring produces long, thick roots by November. To force for use roots are dug in fall, trimming off leaves an inch above crown. Trench in a warm, dark place, covering with 6 or 8 inches of soil and top layer of fresh manure. Blanched head of leaves thus obtained resemble Cos lettuce and makes delicious salad.

CHIVES

A perennial belonging to the onion family. Used for flavoring and in salads. Plant in spring. Pkt. 5c.

CITRON

Used for preserves. White. Pkt. 5c; 1 oz. 15c.

COLLARDS

1/2 oz. to 100 ft., 5 oz. per acre.

A loose-leaved cabbage or kale-like plant grown mostly in south, used for greens. Culture similar to cabbage. Pkt. 5c; 1 oz. 15c.

CORN SALAD

(Feticus or Lamb's Lettuce)

4 oz. to 100 ft., 10 to 12 lbs. per acre.

CULTURE—Seed may be sown thinly in drills 18 inches apart in early spring, and later for succession although early fall seedlings are preferred. The latest sowings may be wintered if lightly mulched. Large leaved. Pkt. 5c; 1 oz. 15c.

CRESS

2 ozs. to 100 ft., 10 lbs. per acre.

Pkt. 5c; 1 oz. 45c

Water Cress. Highly esteemed as a salad during spring and fall, also used as garnish for meats during winter. Seed may be started readily in pans or boxes of very moist earth, the young plants transplanted to shallow water.

Fine Curled Peppergrass. Quick growing, finely cut and feathery; like good parsley; growth dwarf, compact; ornamental; crisp, pungent; very refreshing.

Upland. Dwarf plant with slender stalks with oval notched leaves. Very desirable for salads. Pkt. 5c; 1 oz. 15c.



GOLDEN BANTAM

CORN

½ lb. to 100 ft., 10 to 14 lbs. per acre.

Plant in rich, warm soil, in hills 2 to 3 feet apart, in rows 3 feet apart for early kinds and 4 feet apart for late sorts.

The sweetest flavored corn cannot be purchased. It must be home-raised. This will always be so.

The choicest Sugar Corn is only had where it is possible to cook it within an hour after picking.

If you wish to have Sweet Corn at its best, pick or pull the ears when the kernel may be easily punctured with the thumb nail. Arrange to make successive plantings throughout the season so as to insure a supply just in the right condition.

Make first sowing about the middle of May and continue fortnightly up to about the middle of July. Pkt. 10c; 1 lb. 25c; 10 lbs. \$2.00.

Early Sorts

Golden Bantam. This golden colored Corn is the leading variety for early home garden planting. ears though small are numerous and of finest quality. Very sweet and tender.

Golden Early Market or Sunshine. A very fine early variety. Much the same flavor and tenderness as Golden Bantam and exceedingly popular with market gardeners; 10 to 12 beautiful tender rows to each ear. Splendid for early gardens.

Early Evergreen. A distinct new sugar Corn of the evergreen type. The stalk grows 8 to 9 feet high. It withstands drought unusually well and holds its edible quality better than most varieties. One of the best canning varieties and very popular with market gardeners. Ears have 14 to 18 rows of deep ivory white kernels that are sweet and tender.

Golden West. A selection from the original strain of Golden Bantam and is earlier than Golden Bantam. Produces larger ears and has a more vigorous growth. Ears are a rich golden yellow with a quality that is ahead of other early varieties. Excellent for the market or home garden.

Intermediate Sorts

Golden Bantam Improved. A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow, deep, wide, tender kernels with a fine, sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time.

Golden Cross Bantam. Very uniform in habit of growth, size, and maturity. The ears measure 8 inches long and they are closely set with 14 rows of light yellow grains filled with delicious sweet pulp. Bears two ears per plant. Pkt. 10c; 1 lb. 35c; 10 lbs. \$2.50.

Golden Giant. This is the giant among the yellow varieties with ears measuring 8 inches long. Matures its handsome ears about a week after Golden Bantam. Each cob is tightly set with 12 to 14 rows of sugary, creamy yellow kernels covered by a thin tender skin.

Late Sorts

Stowell's Evergreen. Standard late variety, very valuable for canning and much grown for market. Plants 7 to 7½ feet tall. Ears 8 inches long; 2½ to 2¾ inches thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender; remain in table condition a long time.

Oregon Evergreen. A fine white corn earlier than "Stowell's." Yields large handsome 10 to 12-rowed ears. An excellent variety to follow the first early kinds.

Field Corn

8 to 10 lbs. per acre

1 lb. 15c; 10 lbs. \$1.00. Write for prices in larger quantities.

Minnesota "13" Yellow Dent. An early maturing yellow dent corn that is a favorite in all the corn growing sections West of the Rockies. More of it is being grown than all other varieties combined. The stalks are of medium size, the ears 9 to 11 inches long.

Pride of the North. An early maturing, long-kerneled yellow sort that we recommend for any corn district West of the Rockies. The stalks are large and kernels deep.

Pop Corn

6 oz. to 100 ft., 6 to 8 lbs. to acre. Pkt. 10c; 1 lb. 25c; 10 lbs. \$2.00

Japanese Hulless. Chunky ears appearing 4 inches in length. Kernels pearl white, pointed. Pops snow white.

Black Beauty. We believe this is not only the earliest maturing variety in cultivation but it is ready for popping earlier than any other sort. It pops very large and exceptionally white. The kernels are black but this color is not noticeable after popping, when this sort is the largest and most tender of all. The ears are about six inches long, twelve rowed.

DILL

1 oz. to 100 ft., 5 lbs. per acre.

We are listing this with the cucumbers because the seeds as well as the herbage are essentials in all dill pickles. Grows 2½ feet high. Sow thinly ½ inch deep in rows 18 inches apart. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c.

EGGPLANT

½ oz. to 100 ft., ¼ lb. per acre.

Sow in mild heat, about the middle of March, and transplant on June 1, setting the plants 2½ feet apart. Pkt. 10c; oz. 60c; ¼ lb. \$1.75.

Black Beauty. The fruits of this variety are large and symmetrical. Retains its glossy black-purple coloring for a long time. This lasting quality makes it distinctly popular.

New York Improved. Best known variety for home and market garden. Plants spreading, spineless, bearing 4 to 8 glossy black-purple fruits which are broad, oval and very large.

ENDIVE

1 oz. to 100 ft., 4 to 5 lbs per acre Pkt. 5c; 1 oz. 15c; ¼ lb. 40c.

An attractive so-called bitter salad plant, very popular for use during fall and winter months. Sow seed in June or July in rows 18 inches apart and thin out plants to stand 6 inches apart in the rows. For use the plants must be blanched and this is done by gathering leaves together and tying loosely at top with a wisp of straw or soft twine for about a week.

Broad Leaved Batavian or Escarole. This has broad thick leaves. It is used in the natural state as a salad or as a boiling-green to be cooked like spinach.

Green Fringed. This has very curly leaves, the mid-ribs being white. After blanching the leaves make a delicious and appetizing salad.

White Curled. Very attractive; frequently does not require tying up.

HERBS, Sweet Pot and Medicinal

All Pkt. 5c. Also sold by the ounce.

Anise. For garnishing, cordials and flavoring.

Basil, Sweet. The popular Basilico Napolitano of the Italians. The leaves and tops of the shoots are used for soups, stews and sauces.

Borage. Excellent for bees. The leaves are used in salads or boiled as spinach; the flowers are aromatic and used in cool drinks.

Balm. Used in making Balm wine and tea.

Caraway. The aromatic seeds are used in confectionery, cakes and medicine.

Catnip. Used for seasoning.

Coriander. For garnishing; seeds aromatic.

Chervil. Resembles Parsley. Used for garnishing.

Dandelion. Used for greens.

Fennel Sweet. The leaves enter into sauces.

Horehound. Useful for its tonic properties and for cough remedies.

Lavender. A popular aromatic herb, emitting a delightful perfume.

Marjoram, Sweet. The leaves and shoots are used for seasoning.

Peppermint. Used for flavoring.

Rosemary. Used for seasoning.

Sage. Used both green and minced or dry and powdered for seasoning.

Saffron. Flavoring.

Savory, Summer or Bohnenkraut. Used for seasoning and flavoring soups and dressings.

Savory, Winter. Used for seasoning.

Tobacco. Smoking and insect control.

Thyme, Broad-leaved. Used for seasoning.

Wormwood. For flavoring and liqueurs.



IT'S EASY TO GROW CUCUMBERS LIKE THIS WITH OUR SEED

CUCUMBERS

1 oz. to 100 ft., 3 lbs. per acre.

Sow outdoor varieties early in spring, in hotbeds, and transplant to open ground when weather is suitable. For later crop, sow seed when weather becomes settled, in hills 4 to 6 inches apart. They require a warm, rich soil, and should be watered liberally.

The Colorado (New). A beautifully long, slender, dark green cucumber that is going to be very popular because of excellent shape and intense dark color. Fruit is inclined to taper, especially at stem end, and is vigorous, productive and resistant to unfavorable growing conditions. Pkt. 10c; 1 oz. 35c; 1 lb. \$1.00.

Straight Eight. This new cucumber grows 8 inches or more and weighs over 2 pounds. Will develop straight under the most trying conditions. Medium green; attractive. Pkt. 5c; 1 oz. 25c; 1/4 lb. 75c; 1 lb. \$2.25.

New Deltus. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniformly large, from 12 to 14 inches in length, rich dark green color and blunt ends. This variety was grown by market gardeners last season with great success. If you like cucumbers and want them on your table when they are at their best, fresh, crisp and juicy, plant a few hills of this perfect cucumber. Pkt. 5c; 1 oz. 25c; 1/4 lb. 75c; 1 lb. \$2.25.

Pride of Oregon. In our opinion the best new cucumber ever introduced, compared with other extra long white spine cucumbers like Davis Perfect, Fordhook, Famous, etc. It is much darker in color, more uniform in size, thinner and more prolific. Don't fail to try it. Pkt. 5c; 1 oz. 25c; 1/4 lb. 75c.

Prices on the following Cucumbers: Pkt. 5c; oz. 15c; 1/4 lb. 50c; 1 lb. \$1.50.

Boston Pickling. An early pickling or slicing variety. Fruits weigh about 1 1/2 pounds, 6 inches long and 2 1/2 inches in diameter.

Davis Perfect. A favorite with market gardeners and shippers. Long, slim and dark green, holding its color well to maturity. Fruits weigh about 2 pounds; are 10 inches long and 2 1/2 inches in diameter.

Improved Long Green. This is a great improvement over the old strain of Long Green. The fruits are unusually handsome, being of good form and of a deep green color which is retained a considerable time after picking. 9 to 10 inches in length.

Improved White Spine. One of the best of the early White Spine strains. Excellent for home gardens, and used widely for shipping. Vigorous and productive. Fruits weigh 1 3/4 to 2 pounds, very dark green, uniform, nearly cylindrical.

Lemon Cucumbers. The vines produce prolifically dainty little cucumbers resembling lemons in both form and color and having a delicious and distinctive flavor.

Gherkin. Of superior quality for pickles. This is the West India gherkin, and not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface. 1 1/2 to 2 inches long; oval; uniform; seeds numerous and small.

KOHL RABI

1/2 oz. to 100 ft., 4-5 lbs. per acre.

The delicious flavor of this turnip-shaped bulb combines both Cabbage and Turnip. As early in spring as possible, sow the seed in light rich soil in rows 1 1/2 feet apart. When plants are well established, thin to 6 inches apart in the row. Pkt. 5c; oz. 20c; 1/4 lb. 65c.

Early Purple Vienna. Standard early sort. Plants small; leaves dark green with profuse purple staining. Bulbs flattened globe shape, best for use when 2 to 2 1/2 inches in diameter but become larger; exterior purple, but flesh white; mild, crisp, and tender.

Early White Vienna. For forcing. The best table sort if used when the bulbs are 2 inches in diameter. It matures very early and produces medium sized, light green bulbs with white flesh of excellent quality.

KALE, Borecole

1/4 oz. to 100 ft., 1 lb. per acre.

The culture is practically the same as that of late Cabbage, but as the plants will withstand several degrees of frost they can grow late into the fall. Many think Kale best after the first heavy frosts. Pkt. 5c; oz. 15c; 1/4 lb. 40c; 1 lb. \$1.25.

Dwarf Green Curled Scotch. Plants have wide-spreading, finely curled blue green plume-like leaves. Relished as a vegetable green and useful as an ornament.

Tall Green Curled Scotch. Hardy plants with leaves deeply cut. Curled at the edges, light green in color; very tender and finely flavored after touched with frost.

Feeding Kales

Cow Kale or Thousand Headed. Called Chicken or Cow Kale. Vigorous branching plants with enormous, Cabbage-like leaves. Relished by poultry and livestock as winter greens. Pkt. 5c; 1 oz. 10c; 1/4 lb. 20c; 1 lb. 50c.

Jersey Kale. Large, heavy, massive plants with giant, broad leaves. This variety produces by far the largest crop.

Giant Marrow. Enormous plants on tall, heavy stalks. The leaves are very broad and heavy and combined with large stalks, often 3 inches in diameter, make a heavy yield of feed. Pkt. 5c; 1 oz. 15c; 1/4 lb. 50c; 1 lb. \$1.50.

LETTUCE

1/2 oz. to 100 ft., 3 lbs. per acre.

Lettuce is so extensively grown that cultural directions seem unnecessary, but we offer a few simple suggestions that may save a later disappointment, as any failure is generally blamed to the seed. This should not be, as lettuce, like many other vegetables, requires very rich soil, plenty of water, a cool growing season and intense culture to produce the best results. If the earliest varieties are planted out in the spring, and the weather turns dry and hot, they will run up to seed without heading. The same seed sown in the fall or with cooler growing weather would develop perfectly.

Pkt. 5c; oz. 15c; 1/4 lb. 50c; 1 lb. \$1.50.

Heading Varieties

Imperial F. The best of the Imperial strains. A New York type Lettuce, resistant to brown blight, and partially resistant to mildew. Used for summer planting.

Hanson. A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender.

New York, or Wonderful. The best head lettuce for market growers. This is the mammoth head lettuce so largely grown for shipment to distant markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanched to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp, and sweet.

New York No. 12. A comparatively recent selection of the New York type; an early variety and does well in midsummer. It is lighter in color than the regular New York and is popular with shippers and large growers.

Brown Dutch. Medium size, butter head variety used for mid-season. Leaves broad, thick and smooth, plain edges of dark green overlaid with red. Buttery yellow heart.

New Iceberg. This is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover outside of the solid heads, are of a bright, light green. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curving strongly toward the center, makes it impossible for leaves to open outward and expose the center, which will always be found crisp, tender.

Early White Cos. "Salad Romaine" or Celery Lettuce. Heads tall and circular. As a salad lettuce it is highly esteemed for its fresh crispness and mild flavor. Give each plant about 4 inches space. By drawing the outer leaves together the center will blanch to a snowy white.



LETTUCE, NEW YORK

Loose Leaf Varieties

Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25

Early Prize. A large clustering, non-heading lettuce, excellent for the home garden and undoubtedly the most easily grown variety in cultivation. Leaves finely curled and crumpled, bright green tinged with brownish-red, very crisp, tender and sweet.

Grand Rapids. Very popular with private gardeners and as a lettuce for green house forcing. It will stand shipping better than most curled sorts. Of quick growth and stands for some days after being fit to cut. The plant is upright, and forms a loose head or cluster of large bright green leaves, finely crimped and ruffled; rather thin, good flavor, crisp and tender.

Simpson's Early Curled. A very extensively used early loose-leaved or clustering variety. Leaves light green, slightly frilled, crisp, sweet and tender.

Black Seeded Simpson. Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; broad, frilled light green leaves that are of fine crisp texture and splendid quality.

Feeding Lettuce

Chicken Lettuce. This is a non-heading Lettuce, quite different from those used for human food. The plants grow 4 feet tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits. Yields more food for this purpose than any other plant you can grow. After cutting, the stumps will start again to make a new growth and within a short time you will be able to harvest another crop of tender nutritious leaves for feeding. Price: Same as Leaf Lettuce.

LEEK

$\frac{1}{2}$ oz. to 100 ft., 4 lbs. per acre.

Seed should be sown in June and the plants should stand 6 inches apart in rows 2 feet apart. As the plants attain full growth draw soil up about the stems as this not only blanches the stalk, but also gives a more tender quality. Pkt. 5c; 1 oz. 20c.

MUSKMELON or CANTALOUP

$\frac{1}{2}$ oz. to 100 ft., 3 lbs. per acre.

In sections where the summers are short, seed can be planted indoors or in hot beds in small boxes. The young plants can be transferred to the garden when danger of frost is past. If practicable, spade in a liberal forkful of well rotted manure at the bottom of each hill. The rows should be at least 6 feet apart and the hills 3 feet apart in the rows. In general, the culture is the same as that for Cucumber. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

Netted Gem, or Rocky Ford. An old favorite and one of most popular and best sellers among Rocky Ford melons. Fruit of Netted Gem is oval and completely covered with a beautiful lace-like netting. Flesh is very thick light green, very sweet and delicious and of superb flavor.

Hearts of Gold. This is the ideal melon for home garden. Is as round as a ball, heavily netted, very productive, strong growing and free from disease and the flesh is thick, tender.

Hale's Best Muskmelon. No other large melon matures as early as Hale's Best. Even in a season remarkable for its coldness it was ripe in 68 days after planting. Melons are oval, inclined to produce some fruits of somewhat more elongated shape. Beautiful salmon flesh is exceptionally thick and sweet, practically melting in the mouth.

Burrell Gem. Melons 6 to 7 inches long, $4\frac{1}{2}$ to 5 inches in diameter, sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon colored flesh, sweet, tender. Flesh is thick and firm, ripening close to the skin, leaving only a thin rind.

Banana Muskmelon. A long yellow-fleshed melon. A very interesting and at the same time a splendid melon. The melon is from 20 to 28 inches long and almost solid. The meat is of a rich salmon color, and has a flavor which is truly delicious.

Honey Dew (Green Flesh). A round-oblong shaped melon with almost white rind. Flesh thick light green and sweet as honey.

MUSTARD

$\frac{1}{2}$ oz. to 100 ft., 4 lbs. per acre.

The leaves of these varieties of mustard, as listed here, make excellent greens of sharp, pungent flavor, and are cooked the same as spinach or beet leaves. Sow seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Fordhook Fancy. Plants are of vigorous growth, and have beautiful dark green leaves which curl outward like fine ostrich plumes. It stands well, even during the hot summer months.

Giant Southern Curled. Large variety forming a great mass of beautiful leaves, which are ruffled and finely curled on the edges. Hardy, vigorous, highly recommended.

White Mustard. Grown for leaves and seeds.

GROW MUSHROOMS!

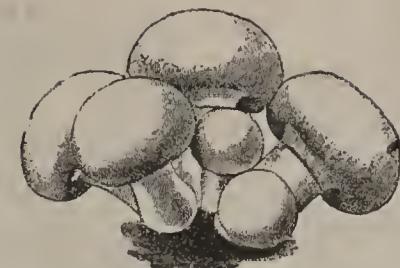
Our Tobacco Stem Spawn has the following advantages:

1. Greater vigor, resistant to adverse conditions.

2. Medium contains most desirable food elements.

3. Its crumbled nature gives greater contact with the manure. Hence, more thorough inoculation.

We include complete directions with each order.
Price, \$1.25 can. (Will plant 10 x 10.)



ONIONS

$\frac{1}{2}$ oz. for 100 ft., 3-4 lbs per acre.

Price: Pkt. 5c; 1 oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

Cover seed lightly. When seedlings are 3 to 4 inches tall thin out according to size of variety. Keep bed weeded and cultivate lightly during the growing season. When bulbs have reached maturity the tops will bend down and the roots must be harvested. Store in a dry, frost-proof room, where fresh air circulates freely.

Large Red Weathersfield. The standard variety of red onions. Of large size, rather flat, a heavy yielder and one of the best for keeping. Good shipper. Flesh white and fine grained. Skin a deep purplish-red, smooth and glossy.

Prize Taker. This onion has become a great favorite on account of its large size and great solidity. Perfectly globe shaped, with straw-colored skin, necks are very small and onions always ripen up hard. An excellent keeper.

Oregon Yellow Danvers. This variety is very extensively planted in the Northwest, particularly in Oregon. The largest crop of onions and the best keepers, bring the highest prices in Pacific coast and middle Western markets, are our Oregon Yellow Danvers. Bulbs are uniformly large, full three-quarters globe shape, small necks. It matures quite early, is the largest in size, most perfect in shape, and as a market or table onion cannot be excelled.

White Lisbon. Splendid sort for early bunching. Matures a large globular shape with thick neck. Clear white.

Southport White Globe. Enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin and considered one of the handsomest varieties grown. Planted extensively by gardeners for green onions.

White Portugal or Silverskin. Finest flavored of all white-skinned onions. Quite early, half-globe shaped, fine cropper, very firm and an excellent keeper. Excellent for bunching green, or for pickling, if grown close so as to hold the size down. A good all-around sort.

Sweet Spanish. A very large, mild, yellow globe-shaped onion. One of the best for home garden; also an early market Spanish type.

Bunching Onion. Best for early small green onions.

Crystal Wax Bermuda. Medium size, pure, waxy white. One of mildest sorts grown. Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.00.



SWEET SPANISH

OKRA or GUMBO

2 ozs. to 100 ft., 8-10 lbs. per acre.

Prices: Pkt. 5c; oz. 15c; $\frac{1}{4}$ oz. 35c; 1 lb. 95c.

CULTURE—Sow when the weather is warm and settled, in drills 1 inch deep and 3 feet apart; thin to 12 inches.

Improved Dwarf Green. Very early, with long, green slender pods.

White Velvet. The large pods are smooth or very slightly ribbed, remain tender a long time.

PARSLEY

½ oz. to 100 ft., 3 lbs. per acre.

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than ½ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row. Pkt. 5c; oz. 15c; ¼ lb. 30c.

Extra Triple Curled (Moss Curled). This vigorous compact grower is one of the most popular varieties because of its deep green color and tightly curled leaves that look like moss. It is unusually decorative for table use.

Plain. Largely used for flavoring, leaves dark green, flat, deeply cut but not curled.

Hamburg, Thick Rooted. The root of this variety is edible and resembles a slender Parsnip in color and shape. The flesh is white, dry, and similar to Celeriac in flavor. It is used for flavoring soups and stews. The roots may be stored in sand for winter use.

PEPPER

½ oz. to 100 ft., 2 oz. per acre.

Culture and soil and temperature requirements are about the same as for Eggplant. A moderate dressing of Guano, poultry manure, or complete commercial fertilizer, hoed into the soil after the plants are 6 or 8 inches tall, will be very beneficial. Pkt. 5c; 1 oz. 75c; ¼ lb. \$2.00.

Oregon Sweet Wonder. Fruits dark green, smooth in surface, square in cross section and very large, usually about 4 inches across and 4½ to 5 inches in length.

In addition to the striking outward appearance, it has the thickest flesh of any pepper in cultivation. The flesh is usually ¼-inch thick and a thickness of ½-inch is common. It is about in season with other large fruited sorts, but produces marketable sized green peppers nearly as early as the earliest varieties. This will be found a very desirable sort for the home garden and an exceptionally profitable one for commercial growers.

Chinese Giant. Fruits are often 6 inches across and 4½ to 5 inches deep. The flesh is moderately thick and very mild. The fruits are rich bright green when young, and bright cherry red at maturity.

Long Red Cayenne. This well known, medium early Pepper is especially good for drying purposes. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent.

Perfection Pimiento. A splendid canning variety, adapted to home and market garden culture. Plants large, erect, prolific. Fruits heart shaped, very smooth; flesh exceptionally thick, sweet and mild.

PUMPKIN

2 ozs. to 100 ft., 4 lbs. per acre.

Pumpkins are typically American, and Pumpkin pie is one of our truly American dishes. They are less sensitive to unfavorable conditions of soil and weather than Melons or Cucumbers, but they are cultivated in about the same way. Pkt. 5c; 1 oz. 15c; ¼ lb. 30c; 1 lb. \$1.00.

Large Yellow or Connecticut Field. This sort is grown largely in the corn field for stock, but the flesh is moderately fine grained, highly flavored, and very good for pies. The fruits weigh about 20 pounds and are a rich, deep orange yellow color.

Sweet or Sugar. A small handsome variety, and very popular. The skin is a deep orange yellow. Flesh fine grained and sweet in taste. Famous in Boston as a pie Pumpkin. It sells better on our local market than any other variety.

Winter Luxury. This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8½ pounds; and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy yellow, very thick, sweet, and finely flavored.

King of the Mammoths. The largest of all Pumpkins. Valuable for stock feeding and exhibition purposes. Frequently weighs 60 to 90 pounds. Light yellow and orange. Solid flesh.

PARNIP

1 oz. to 100 ft., 3 lbs. per acre.

Sow the seed as soon as season will permit, in drills about 2 feet apart, and thin plants out to 1 foot apart in the row. The ground should be deeply trenched and well manured. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c.

Hollow Crown, Thick Shoulder. This is the best and most popular variety in cultivation. The skin is smooth and white, while the flesh is tender. The roots grow 18 to 20 inches in length, but the first 8 inches from the top is the best part.



HOLLOW CROWN

Guernsey. Attractive medium-long roots with a broad shoulder gradually tapering downward. The skin is light in color and

quite smooth. The flesh is fine grained, tender, and sweet. A productive variety, considered the best for table use.

PEAS

1 lb. to 100 ft., 56 lbs. per acre.

For first crop, round-seeded Peas should be sown in the open ground as soon as it is fit to be worked; wrinkled varieties should be planted 2 to 3 weeks later. Frequent planting for succession, and a careful selection of varieties, will give an almost continuous crop of Peas from June until frost. Sow Peas in rows 3 feet apart and 3 inches deep.

Garden Peas are one of the most important crops and we have spared no effort to select and improve the best strains of the most profitable and satisfactory varieties. These selected strains will give you the biggest yield and the handsomest, sweetest, best flavored peas for early market or home garden. The varieties offered have proved by growing tests to be the best of their kind and class. Selected hand-picked. Price postpaid: Pkt. 10c; 1 lb. 30c; 10 lbs. \$2.50.

Tall Varieties

The following sorts need support of some kind:

Alderman. A pea similar to Telephone, but more prolific. Vine is extra vigorous and pods are dark green and always well filled with fine, large peas. Very finest and best pea of this class.

Gradus. This early, wrinkled pea bears pods of large size and combines quality with earliness. It is very hardy, can be planted fully as early as the smooth peas, growth vigorous and healthy, vines 2½ feet high, very prolific.

Telephone (tall). Our western-grown selection of this popular favorite and standard market variety is immensely productive, extra large pods being filled with peas of finest quality.

Low Growing Varieties

Alaska or Earliest of All. A smooth, blue pea, of even, vigorous growth and extra early maturity. Vines 2 to 3 feet high, unbranched bearing 4 to 7 long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall or early spring planting.

Oregon Beauty. An early dwarf wrinkled pea of superior merit. The vines are rugged and productive. Pods about 4 to 5 inches long, and filled with large, tender peas of delicious flavor. Grows to a height of about 15 to 18 inches. Especially recommended for the home garden and market gardener.

Laxtonian. A new early dwarf, robust, large podded pea of superior excellence; growth averaging 16 inches. The large pods well filled, holding 8 to 10 peas. Laxtonian is so highly recommended that you should give it a trial.

Little Marvel. Splendid new dwarf pea for home or market. The dwarf, bushy vines, averaging 15 inches, are loaded with firm square-ended pods 2½ to 3 inches long, tightly filled with plump, luscious, deep green peas.



LAXTON'S PROGRESS

Laxton's Progress. One of the most desirable early peas. Grows 16 to 18 inches in height, with large pods containing 7 to 9 large deep green peas. Suitable for market gardeners or home gardens.

Blue Bantam. The vines measure about 15 inches high and produces freely the bluish-green pods. The pointed pods run 4 to 4½ inches long and are always well filled with 8 to 10 large peas of finest flavor.

Hundred Fold. Similar to Laxtonian and Blue Bantam, with darker vines and pods, has become very popular with the market gardeners. It is an Ideal Pea for those who wish large pods, and we consider it one of the best. Vines grow from 18 inches to 2 feet.

Dwarf Gradus. Produces more pods, and larger pods than any other early dwarf pea. The flavor is exceptional; pods are slightly curved and contain an average of 8 to 9 peas of finest marrow flavor. Vines are stout, 18 to 24 inches high.

Giant Stride. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100 per cent resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor.

Dwarf Telephone. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high class re-selected stock.

Sugar Peas. Tall melting sugar. Grows about 4½ feet in height. Prepared and eaten like snap beans. Try some this year. You will like them.

Sweet Potato Plants

We can supply plants from April 15 to June. Good sturdy stock from genuine Sweet Potatoes. We have had good success growing them in most soils but light soil is preferred for a good harvest. Price, 25c doz.; \$1.00 hundred. Postpaid price, 35c doz.; \$1.15 hundred.

RADISH

1 oz. to 100 ft., 10 lbs. per acre.

For an early crop, sow in hotbed in January, February and March. As soon as ground is fit to be worked, sow seed in the open, in rows 1 foot apart. Pkt. 5c; 1 oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Billiard Ball. Earliest radish grown. Bright scarlet. Fine for forcing and out of doors planting. Strong top. This is a new radish and a good one.

Sparkler. Early and sweet, appearing half red and half white, making it an attractive radish. Market gardener's favorite.

Early Scarlet Turnip—White Tip. This variety grows very quickly and is ready for picking in 25 to 30 days. Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener.

French Breakfast. A splendid variety for home use; oblong, bright scarlet, white tip. Growers about 1½ inches long and ½ inch thick.

Long White Icicle. Long slender roots which remain tender and crisp until grown. Matures early; has small top which permits close planting.

Long Scarlet. Similar to White Icicle.

Round Scarlet. Similar to Scarlet white tipped.

Vick's Scarlet Globe. Very early, crisp, mild and tender. Bright scarlet color. Ready to eat in 25 days.

PUT NAPTHALENE OR MAGOTITE IN ROWS WITH RADISH SEED TO AVOID MAGGOTS

Fall and Winter Sorts

The merits of winter radishes are little appreciated. These grow to large size and keep well for winter and spring use. Sow seed in July and August. Early planting is not advisable.

Black Spanish Long. A hardy, large, rather pungent variety for winter use. Keeps unusually well; is 8 to 9 inches long and 2 inches thick, slightly tapered. The skin is black and the flesh white and crisp.

Black Spanish Round. The short, round type of winter radish. Is about 4 inches in diameter, its color and other characteristics being the same as the Black Spanish Long.

China Rose Winter. A large rose colored variety from the Orient. Hardy and rather mild. The flesh is white, and very crisp. This variety is broadest at its base and is 4 to 5 inches long.

White Chinese. A white winter radish of immense size.



SCARLET WHITE TIP



BILLIARD BALL

RUTABAGA, Swedish Turnip

1 oz. to 100 ft., 3 lbs. per acre.

The culture is the same as for common Turnip, but if anything, less exacting in care.

Improved American Purple Top. The old, popular standard sort both for stock feeding and table use. Flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality and an excellent keeper. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

SALSIFY, Vegetable Oyster

1 oz. to 100 ft., 8 lbs. per acre.

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of Oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for Parsnip.

Mammoth Sandwich Island. Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts. Pkt. 5c; oz. 15c; ¼ lb. 50c.

SPINACH

1 oz. to 100 ft., 8 lbs. per acre.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South, Spinach will Winter over with little or no protection. Pkt. 5c; 1 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

Improved Thick Leaf. The seed of this thick leaved variety produces the largest Spinach. They grow rapidly and remain in good condition a long time. The medium green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden Spinach.

New Giant Smooth Leaf. The largest and the most productive of any sort we have tried. Plants 20 inches across are not uncommon on good soil. The leaves are simply immense, of deep green, very heavy, brittle and tender. It is very slow to seed and is especially valuable for spring, summer and fall cutting.



IMPROVED THICK LEAF

New Zealand. Although not a true Spinach, the leaves look like Spinach and are very useful as greens. On soil too poor to grow Spinach successfully, the plants thrive and produce groups of small fleshy leaves that are tender and delicious when cooked. Each branch of the plant produces others, so that it goes on providing a continuous supply of greens throughout the Summer.

Mustard Spinach. A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 5c; 1 oz. 15c.

VEGETABLE SPAGHETTI

A most unusual viney squash with creamy white fruits, 8 inches long and 4 to 5 inches in diameter. To prepare: When matured, boil whole 30 minutes. Cut open, remove the center seed core and season the flesh, that appears as spaghetti, with salt and butter. Mild, delicious flavor. Keeps well.

SQUASH

Summer, 2 oz. to 100 ft., 4 lbs. per acre.
Winter, 1 oz. to 100 ft., 2 lbs. per acre.

Culture. Squash plants are very tender and sensitive to cold, and planting must be delayed until warm weather. The general methods of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted 4 to 6 feet apart each way, and winter sort 8 to 10. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash as the slightest injury will increase the liability to decay. Pkt. 5c; 1 oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

Summer Varieties

Table Queen, also Danish. In size, Table Queen equals a fair sized husked cocoanut, and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over 20 minutes for baking or boiling. A good way to prepare it is to cut in half, place a lump of butter on one half, top with the other and then bake whole. This squash is ready before the Hubbards and yet stores equally well. The color is dark green.

Golden Table Queen (New). Similar to regular Table Queen, except a beautiful golden yellow color. Has clear yellow flesh, which is sweet and fine grained.

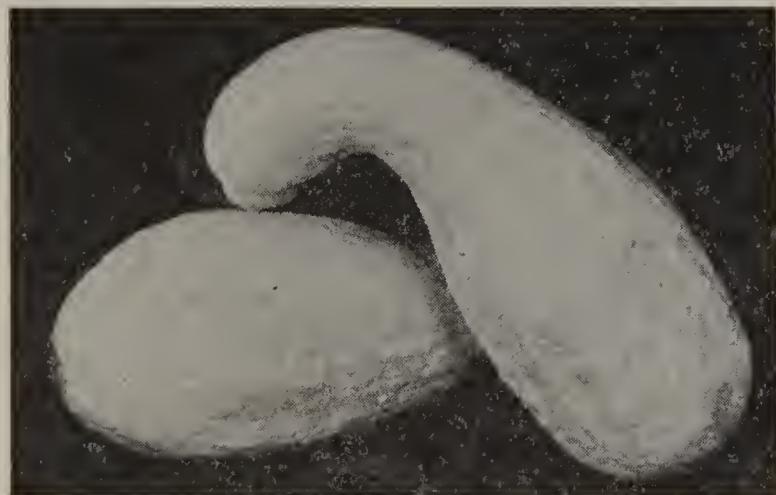
White Bush Scallops. The best summer sort for the home garden or market; very productive and of good size.

Giant Sunnner Crookneck. Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, husky and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden yellow.

Giant Straitneck. Similar to Crookneck, but long.

Zucchini or Italian. The favorite Italian Squash. It should be eaten when quite young, 4 to 6 inches long. It is a delicious summer variety; do not hesitate to plant it. It is very prolific.

Black Zucchini. Newer Italian squash. Wonderful flavor. Long greenish black. Flesh white.



SQUASH, EARLY SUMMER CROOKNECK

Winter Varieties

Improved Hubbard. The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. **Marblehead.** Large slate colored variety of fine quality. It produces heavy yields of thick meaty squash. Popular shipping variety.

Mammoth Chili. The largest of all squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine flavored flesh insures its value for all purposes.

Banana Squash. Grows from 1 to 2 feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color. Resists heat of the sun better than the Hubbard and is a good keeper.

Golden Hubbard. The same in size, shape and quality as the well known Hubbard Squash, except that it is bright red or golden color, and somewhat earlier. Good keeper.

Boston Marrow. Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor.

Sibley, or Pike's Peak. Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color; very dry, fine grained.

The Delicious—For quality. A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color.

Golden Delicious. Similar to above, but a deep golden color.

Vegetable Marrow. White, tender flesh used for baking and frying. Distinctive flavor. Bush.



OREGON'S SPECIAL

TOMATO

$\frac{1}{8}$ oz. to 100 ft., 2 oz. per acre.

Culture. Sow early in hotbeds, and as soon as they have four leaves transplant into shallow boxes. Harden off, and set out as soon as danger of frost is past. An ounce of seed will produce 3000 to 4000 plants.

The New Marglobe Tomato. This new rust resisting variety developed by the United States Department of Agriculture is spoken of throughout the country as the finest tomato ever introduced, being particularly desirable in sections subject to tomato diseases. A scarlet variety ripening well up to the stem, of perfect globe shape and splendid quality. The vines are strong and vigorous and very productive. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

"Burbank" Tomato. Unusually heavy and of the finest quality. Keeps well; a good shipper; a prolific, continuous bearer, has the unusual and remarkable feature of being easily peeled, the skin slipping readily from the rich, firm, flesh. Resistant to wilt and other diseases. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Pritchard (Scarlet Topper). Wilt resistant, of the type of plant known as self-topping or self-pruning. Mid-season to late and a heavy cropper. Fruits globe-shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days. Pkt. 5c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Oregon's Special. Our special strain of this first early tomato is not only earlier than the ordinary Earliana, but the fruit is perfectly smooth, very solid and ripens bright deep scarlet right up to the stem. The vines are vigorous growing and very productive. Growers find its extra early fruit brings very good prices on the market. Pkt. 5c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Break O'Day. A new tomato developed by the U. S. Dept. of Agriculture. Its main feature is its earliness, for it is as early as Earliana and earlier than Bonny Best. It resembles Marglobe as to shape, its color not quite as good as Marglobe, nor will it stand hot burning weather as well as some varieties. Said to be the sweetest tomato. Pkt. 5c; 1 oz. 50c; $\frac{1}{4}$ lb. \$1.50.

Bonny Best. Has given splendid results wherever tried and being early, hardy, very productive, recommended for outside planting wherever tomatoes can be grown. A good forcing variety. Fruit smooth, round, slightly flattened, solid, a bright scarlet. Quality excellent. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Spark's Earliana. One of the earliest tomatoes. Large, uniform size and beautiful red color. Ripens thoroughly all over, the stem and coloring up perfectly. Almost seedless and solid. A vigorous grower, heavy bearer, continuing until frost. Successes everywhere, and especially recommended for this Coast. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

John Baer. Similar in every respect to Bonny Best, but often a few days earlier. Fruits bright deep scarlet red; medium large; flattened globe shape; smooth and firm. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Chalk's Early Jewell. Large, bright red, smooth, round fruits, colored evenly up to the stem; solid, almost seedless, fine flavor. Vines equal to or better than Earliana. We recommend as an early Tomato for either market or home garden. Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Ponderosa or Beefsteak. Mammoth fruits of deep red. Very heavy bearing variety. Very popular with home gardeners. Often called "the largest of the red tomatoes." Pkt. 5c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Yellow Ponderosa. Similar to Beefsteak, but of a yellow color. Same price.

Golden Queen. A fine yellow tomato for home gardens. Fruits medium large, deep yellow, smooth and of mild flavor. Pkt. 5c; 1 oz. 35c.

Dwarf Champion or Tree. A dwarf variety, growing like a tree, that bears smooth deep colored fruit. Vine grows strong and stiff. Pkt. 5c; 1 oz. 35c.

Small Fruited Varieties

Pkt. 5c; 1 oz. 50c.

Ground Cherry or Husk Tomato. Grows to great perfection under ordinary culture, yielding abundantly; very much prized for preserving; should be in every garden.

Yellow Plum. Fruits plum shaped, clear yellow color. Used for preserves.

Yellow Pear. Pear-shaped fruits of deep, clear yellow color.

Yellow Cherry. Fruit small, about 5/8 inch in diameter, and perfectly round and smooth. Fine for preserves and pickles.

Red Plum. Differs from Yellow Cherry in color only.

Red Pear. Used for preserving and to make "tomato figs."

Red Cherry. Differs from Yellow Cherry in color.

TURNIPS

1 oz. to 100 ft., 2-3 lbs. to acre.

Culture. For early use sow the small sorts as soon as the ground can be worked in the spring, in drills 14 inches apart. As the seed is very fine, it should be covered but slightly, except in very dry weather. For fall and winter use, sow early kinds during July, August and September. Pkt. 5c; 1 oz. 10c; 1/4 lb. 20c; 1 lb. 50c.

Early Garden Turnips

Early Purple Milan. This variety is ready for table sooner after planting than any other yet introduced. Top small, erect, strap-leaved, bulb a deep purple above, white underneath, flesh white, firm and delicate. Pkt. 5c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00.

Early White Milan. Same as Purple Top Milan, but pure white, sweet and tender, best early market variety. Pkt. 5c; 1 oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00.

Golden Ball. Undoubtedly one of the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well.

Snowball. Small, white; grows quickly. Splendid for table use.



Main Crop Turnips

Bortfeld (Long Yellow). Sometimes called long yellow Cow Horn. Pure yellow except a little shade of green at the top. Grows part out of the ground and is of very rapid growth, a heavy cropper and of delicious flavor. It has proven itself to be far superior to any turnip ever introduced for stock feeding as it is a heavy yielder and relished by all stock.

Cowhorn. Sometimes called long white. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips.

Pomeranian White Globe. One of the most productive kinds, and in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape, skin white and smooth, leaves dark green and of strong growth.

Purple Top White Globe. A large, globe-shaped variety, purple above ground. It is handsome and of excellent quality, recommended both for family and garden and field crop.

Large White Norfolk. A white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy and may remain in the ground all winter. Yields very large.

Yellow Aberdeen. Round, medium size, light yellow. Produces a large crop, is hardy and keeps well, flesh very firm but tender and sweet. A great favorite with the dairymen.

WATERMELONS

1 oz. to 100 ft., 3/4 lbs. per Acre.

Culture. Watermelons thrive best on light, well-drained soils, but give good results on any good rich garden soil properly drained and cultivated. Plant after weather is settled and ground warm. Hills 8 feet apart each way, well-rotted manure worked into each hill. Pkt. 5c; 1 oz. 15c; 1/4 lb. 30c; 1 lb. \$1.00.



KLONDIKE

Klondike. New; wilt resistant. For genuine merit the Klondike is unsurpassed by no other melon. The seeds are quite small, the color brown mottled black, while the flesh is a distinctive shade of red. The rind is dark green, and although thin, it is still a good shipper because it does not wilt. The shape is long and the average weight 20 pounds. The seed being so small one pound contains as many as two pounds of most other varieties. Pkt. 5c; 1 oz. 20c; 1/4 lb. 50c; 1 lb. \$1.75.

Halbert Honey. An early maturing variety suited to the Northern states; vigorous and very productive. Melons 18 to 20 inches long. Skin dark, glossy green; flesh beautiful crimson, tender, sweet and delicious.

Cole's Early. The Northern states' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notcher. It is oblong shaped, about 20 inches long, 12 inches through.

Kleckley Sweets. It is, without question, the most desirable variety to plant for home use or near-by markets. The fruits are very attractive, oblong in form, and have a glossy dark green skin. The rind is unusually thin, with the flesh ripening close to it. The color of the flesh is a beautiful bright scarlet. The heart is broad and remarkably solid. The white seeds are placed close to the rind. The melons average 18 to 20 inches in length by 10 to 12 inches in diameter.

"King and Queen". Winter Watermelon. Average weight 25 pounds. Spherical shape, ivory shell, pink center, seeds black. A luscious, valuable winter melon, hardy, a good drought-resister. Ripens every melon in less than 120 days. Keeps for ninety days if not bruised. Shell very hard and melon ripens to within 1/8 inch of it.

Black-Seeded Ice Cream Watermelon. Grown extensively in Wenatchee and Yakima sections of Washington. A splendid shipping melon, does exceptionally well in any soil which grows melons. Almost round, pink meated, black seeded, a fine keeper. Drought-resistant, ripens early.

MISCELLANEOUS PLANT FOODS

A Reminder of Other Plant Foods We Stock

Ammoniated Phosphate. 16-20-0. Highest analysis plant food.

Blood Meal. Pure blood. High in Nitrogen.

Bone Meal. Valuable soil enricher. Suitable for any plant requiring fertilizer.

Steamed Bone Meal. Finer bone meal.

Charcoal. Useful in potting.

Cotton Seed Meal. Used in formula to feed Azaleas, Rhododendrons, etc.

Fish Meal. Fertilizer popular with market gardeners.

Guano, Sheep. Pulverized, dry. 50c sack. Call for ton price.

Land Plaster or Gypsum. Valuable for Clover and Alfalfa crops.

Lime, Hydrated. Best known soil sweetener. Faster.

Lime Stone, Ground. Used for soil sweetening. Lasts longer than Hydrated.

Magnolia. Lawn and Garden. \$1.25 for 25 lbs.; \$2.00 for 50 lbs.; \$3.50 for 100 lbs.

Morecrop Fertilizers— **Lawn.** 50 lbs., \$1.25.

Lux. 5-6-8. Gardens, Fruits. 50 lbs. \$1.75; 100 lbs. \$3.00.

Garden. 8-10-5. Rich in plant food and humus. 50 lbs. \$2.40.

Muriate of Potash. Used extensively, especially for root crops.

Nitrate of Soda. Best form of chemical Nitrogen to use. Especially on garden. Use sparingly and be careful not to put on foliage.

Peat Moss. Adds humus to soil. A necessity for the soil.

Plantone. Fine for gardens, lawns, etc.

Sulphate of Potash.

Sulphate of Alumina. For creating acid condition in soil. Azaleas, Rhododendrons, etc.

Sulphate of Ammonia. High in Nitrogen. Fine for stimulating leaf growth. Used extensively on lawns.

Sulphate of Iron or Coprous. Used for weed killing.

Super Phosphate. Most soils need Phosphate.

Sulphur, Toro. Prepared for soil use. Fine for Roses, etc.

Tankage. Obtained from packing houses. High in plant food. For Lawn and Garden.

BROAD LEAVED SHRUBS

Note: This is a partial list of shrubs available. Inquire for shrubs not listed.

ABELIA. A beautiful, low-growing, bushy, small-leaved evergreen, with dark green, glossy leaves, bearing small clusters of beautiful pink to white flowers from June until late fall. Very popular. Nice plants \$1.00; specimens \$1.50 to \$2.50.

AUCUBA. *Japonica*. Japan evergreen, with shining foliage and red berries. Each \$1.00 and up.

Japonica Variegata. Green and yellow foliage; very showy. Large plants for immediate effect. Each \$2.00 to \$3.00.

BOXWOOD (Buxus). Pyramidal Boxwood. Cone shaped plant of great beauty, 2 to 2½ feet each \$5; 2½ to 3½ feet each \$6. *Globe Boxwood*. Trimmed in shape of a globe. Each \$2.50 to \$5.00.

Boxwoods for Hedges and Borders. Write for prices on quantity desired.

CAMELLIA. Small trees with shining waxy leaves, and beautiful waxy flowers, very much resembling a small tree. We are able to offer these in named colors. \$1.00 to \$5.00.

DAPHNE, Odora. Japanese shrub with waxy light green foliage, pink and white, with flowers in early spring of wonderful fragrance. Well rooted. Each \$1.00 to \$3.00.

COTONEASTER, Horizontalis (Trailing Cotoneaster). Low growing with horizontal branches, dark leaves. Fruit bright red.

C. Franchetti. A large sized shrub of graceful droopy habit, covered with a mass of red berries in fall. Each \$1.00 to \$1.50.

HOLLY (Ilex), English (Aquifolia). Prickly, dark green foliage; grows moderately fast, covered during the winter months with bright red berries. Prices, berry-bearing trees, per foot, \$1.50 and up.

LAUREL, English. Handsome, large-leaved, shining foliage. Excellent for large hedges or screens or as single specimens. Each 40c to \$2.00.



LAURISTINUS

LAURISTINUS. Luxuriant dark green foliage, with clusters of small white flowers in winter. 1 to 2 feet. Each \$1.00 and up.

RONICERA, Nitida (Evergreen Bush Honeysuckle). New evergreen shrub, slender branches with bright glossy foliage. Excellent for massing or tub plant. There is no better evergreen shrub for the price. Each \$1.00 to \$1.50. Trimmed pyramidal shape, \$2.50.

OREGON GRAPE, Mahonia Aquifolia. Official flower for the state of Oregon. Each \$1.00 to \$2.00.

PORTUGAL LAUREL. Beautiful slow growing laurel, dark green glossy leaves, small, very compact. 18 to 24 inches. 50c and up.

PRIVIT (Ligustrum Ovalifolium). *Golden Privit*. Beautiful variegated shrub to plant among evergreens, giving a wonderful effect. 2 feet. Each \$1.00 to \$1.50.

California Privit. Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants. Call or write for prices.

PYRACANTHA, Evergreen Firethorn. Tall growing, long narrow leaves, small white flowers, followed by orange berries all winter. We have orange-scarlet and orange-yellow berried plants. Each \$1.00 to \$1.50.

RHODODENDRON. Grafted varieties. All colors available. \$2.50 to \$10.00.

EVERGREENS

ARBORVITAE, American. 18 to 24 inches. Native, known as white cedar. Foliage bright green, yellow-green underneath, brown and bronze in winter.

Golden. Elegant, habit regular, foliage tinged with gold in spring.

American Variegated Pyramidal. Foliage dark green. \$1.00 and up.

CEDRUS, Japanese Cedar (Cryptomeria Elegans). Beautiful delicate green foliage and graceful habit, color changing reddish brown in winter. Each \$1.00 to \$2.50.

Deodar or Indian Cedar (C. Deodara). Very handsome, branches drooping, foliage silvery green. Very popular. Each \$2.50.

CYPRESS (Cypressus), Allumii. Handsome pyramid shaped conifer. Foliage greenish-blue.

Cypress Lawson's (Chamaecyparis Lawsoniana). Graceful and conspicuous, branches horizontal, slightly pendulous, foliage dark green.

Italian. Bright green. Very compact in growth, nothing finer in upright type. \$1.00 and up.

HEMLOCK (Tsuga), Western (T. Hookeriana). Very beautiful and appealing, branches pendant and foliage deep green.

JUNIPER (Juniperus), Irish (J. Communis Hibernica). Pyramidal in form, foliage silvery gray. Very striking. \$1.00 and up.

RETINOSPORA, Plumosa. An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. \$1.00 and up.

SPRUCE (Picea), Norway (P. Excelsia). A lofty, rapid grower, branches drooping. Fine for hedge or windbreak. Each \$1.00 to \$2.00.

Colorado (Pungens). The original form of the famous Blue Spruce, foliage sometimes quite blue, mostly light green. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form, foliage rigidly angular with sharp needles very densely set. \$2.00 and up.

DECIDUOUS SHRUBS

ALMOND (Prunus), Pink Flowering (P. Japonica). Well known early dwarf shrub, Double clear pink little roses festoon the gracefully bending branches. Each \$1.50.

ALTHEA, Rose of Sharon. Late summer blooming shrub that continues on up into the fall when color is scarce, bearing flowers that closely resemble the Hollyhocks in color and size. Colors pink, white or red. Each \$1.00.

AZALEA, A Mollis. Low growing shrub that in the early spring is covered with gorgeous flowers before the leaves appear. 50c to \$3.00.

BARBERRY, Thunbergii. A beautiful Japan variety of dwarf habit. Small foliage, changing to beautiful red in autumn. Bright scarlet berries all winter. Each 75c and \$1.00.

BUDDLEIA (Butterfly Bush), Magnifica. Lovely long spikes of lilac-colored flowers. Summer and fall. Attracts butterflies. 75c.

FORSYTHIA (Golden Bells), Intermedia. Blooms early in spring, before the leaves appear, when it is covered with golden bell-like flowers, 2 to 3 feet.

Fortunei. Upright, makes fine single specimens, golden flowers in profusion in April. 75c and up.

HYDRANGEA, Paniculata Grandiflora. Immense panicles of bloom from July to November, creamy white, pink flush. Prune back in early spring about half of previous year's growth. Hardy everywhere for cemetery planting. \$1 and up.

Otaksa. One of the most popular lawn plants. The flowers run in shades of pink, blue and white, mineral in soil often changing thence to two or three shades in one. Fine for shady places. \$1.00 and up.

LILAC (Syringa Vulgaris), Common Purple. Very fragrant, an old favorite. 75c and up.

Common White. Same as above, flowers white. 3 to 4 feet. 75c and up.

MOCK ORANGE (Philadelphus), Grandiflora. Flowers large; slender twig habit. 3 to 4 feet. Each \$1.00.

QUINCE, Japonica (Japan Flowering). Blossoms vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but not edible. 2 to 3 feet. Each \$1.25.

SNOWBALL, Common. Flowers globular, pure white, in May. 3 to 4 feet. Each \$1.00.

Japanese. Flowers pure white, delicate large globular heads in May. 2 to 3 feet. Each \$1.00.

SPIRAEAS, Spiraea Thunbergii. Charming spireas with graceful form and abundant blooms. Each \$1.00.

Billard's (S. Billard). Flowers red in dense spikes, blooms most of summer. Each \$1.00.

Van Houtte's Bridal Wreaths (S. Van Houttei). Very graceful, flowers white in round clusters. May. Each \$1.00.

Crimson—Anthony Waterer (S. Bumalda). A most desirable variety, having deep red flowers. Each \$1.00.

WEIGELIA, Candida. Flowers white, bush tall. Each \$1.00.

Rosea. Flowers red, one of the best. Slightly dwarf. Each \$1.00.

Variegated. Leaves become silver white. Each \$1.00.

HARDY VINES

POLYGONUM AUBERTI (Silver Lace Vine). One of the most desirable flowering climbers we have ever grown. Of strong, vigorous, rapid, growth and producing throughout the summer and fall, long graceful sprays of small, white, delicate flowers. Clean, neat foliage. Perfectly hardy. Makes a spreading, 15-foot growth the first season and to the top of the house the next season, and is cut back to eaves each fall. Always free of insects. **Each \$1.00; Extra Strong Roots, \$1.25.**

CINNAMON VINE. A beautiful vine of rapid growth, suitable for porches, trellises, etc.; pretty white flowers of cinnamon-like fragrance. Perfectly hardy. Vines die in the fall but come up rapidly early each spring. **Price, 15c.**

HONEYSUCKLE. A beautiful climber, rapid grower and very desirable. Flowers very fragrant. Your choice. **Each, Small, 75c; Large, \$1.00.**

Halleana. Very popular; almost evergreen; flowers white, passing to yellow.

Belgica (Monthly Fragrant). Flowers are large; color red and yellow; blooms all summer.

WISTARIAS, Simensis Blue. A very rapid growing, hardy climber; lovely long panicles of pale blue flowers, produced in the most wonderful profusion. **Each \$1.00; Strong vines, \$1.50.**

Sinensis Alba. Like the preceding, but with beautiful white flowers in long panicles. **Each \$1.00. Strong vines \$1.50.**

Multijga. Extra long panicles of deep blue flowers. **Each \$1.50.**

DUTCHMAN'S PIPE, Aristolochia Siphon. A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong rapid growth. **Each 75c.**

JASMINE, Nudiflorum. Drooping branches, enveloped with bright yellow flowers before leaves appear. **Each \$1.00.**

KUDZU VINE, Kudzu Vine (Pueraria Thunbergiana). Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August, rosy-purple, pea-shaped; in small racemes. **Each 60c.**

TRUMPET VINE, Bignonia Radicans (Trumpet Vine). Strong climber; deciduous, flowers orange scarlet. Mid-summer. **Each 50c.**

Boston Ivy. The popular climbing plant for covering brick, stone or cement walls, etc. Foliage rich olive green, turning to autumn tints in the fall. **Strong plants, 50c; extra strong, 60c.**

Virginia Creeper. For covering trellises, arbors, etc.; large, deep green foliage; red berries in the fall. **Strong plants, 50c; extra strong, 75c.**

English Ivy. Thick, leathery evergreen leaves. **Each 45c.**

CLEMATIS. Large flowering varieties, they are moderate growers and make a beautiful display. **Your choice \$1.25.**

Henryi. Very large pure white flowers in great freedom.

Jackmani. Rich purple flowers in large clusters. The most popular variety.

Madame E. Andre. Wine red flowers of medium size, produced freely.



WEEPING BIRCH TREE

ORNAMENTALS, SHADE TREES

Trees 6 to 8 feet and about 1 inch caliper unless otherwise stated.

Asli, white	\$1.50
Birch, Eup.	1.50
Birch, Cut-leaf, 4 to 6 feet.....	2.00
Boxelder, Sil., 4 to 6 feet.....	1.50
Catalpa, West	1.50
Catalpa, Um., 5 to 6 feet.....	2.50
Cherry, Japanese Flg., 3 to 5 feet.....	1.50
Crab, Flowering, Bechtel Dble., 3 to 4 feet.....	1.25
Crab, Scheidecker, 3 to 4 feet.....	1.50
Dogwood, Pacific	1.50
Elm, American	1.50
Elm, Chinese	1.50
Goldenchain, (Laburnum)	1.50
Horsechestnut	1.50
Linden, 4 to 6 feet, (American or European).....	1.00
Locust, Com. Blk.	1.00
Maidenhair Tree, 3 to 5 feet (Ginko).....	1.25
Maple, Oregon	1.50
Maple, Norway	1.25
Maple, Silver	1.25
Maple, Sycamore	1.50
Maple, Sugar	1.25
Mountain Ash, Eup., 5 to 6 feet.....	1.25
Mulberry, Russian	1.00
Oak, Common Red, 8 to 10 feet.....	2.00
Oak, English	1.50
Olive, Russian, 3 to 4 feet.....	1.00
Plum, Dble. Fig.....	1.50
Plum, Purp. Leaf, 3 year.....	1.50
Plum, Purp. Leaf, 1 year, 3-4 feet.....	1.00
Persimmon, Jap., 5 to 6 feet.....	1.50
Poplar, Balm of Gilead.....	1.50
Poplar, Carolina	1.00
Poplar, Lombardy	1.00
Poplar, Silver	1.50
Plane, Tree (Sycamore) 4-5 feet.....	1.25
Tulip, Tree, 3 to 4 feet.....	1.00
Willow, Babylon, 4 to 6 feet.....	1.25



"DOGZOFF"

Train dogs to be sanitary about your home.
Stop evergreen losses.
Spray with **DOGZOFF**
—humane and effective.

Price, 69c bottle,
postpaid.



JAPANESE FLOWERING CHERRY

BRAEGER'S ROSES

STANDARD BUSH ROSES

No. 1—2 year old 50c each; \$5.00 dozen
Guaranteed—Best stock

Angele Pernet. Buds deep, flaming orange to semi-double blooms of brilliant reddish apricot. Fragrant.

Autumn. Mingled shades of burnt orange and red.

American Beauty. The old favorite red.

Briarcliffe. High-centered buds of excellent form, bright pink.

Betty Uprichard. Buds coppery red. Flowers semi-double; salmon pink on inner surface of petals.

Cecil. Very large, single flowers of clear, golden yellow. Resistant to mildew.

Chas. P. Kilham. Buds unusually long and slender with high-pointed centers, opening to disclose shades of oriental red and rosy orange. Fully double.

Caledonia. Best pure white rose of recent years. Buds long.

Columbia. Large, fully double bright pink flowers. Fragrant.

Cuba. Brilliant orange-scarlet buds of great length which open to large almost single flowers of vermillion and orange.

Dainty Bess. Slender, rosy-salmon buds, opening to pale rose blooms. Prolific bloomer. Single.

Dame Edith Helen. Pointed buds which open slowly to large blooms of brilliant pink. Very fragrant.

Duchess of Athol. Large buds of bronzy orange; flowers of apricot and gold flushed with rose and borne in profusion.

Duchess of Wellington. Long saffron yellow buds, opening to very large, light yellow flowers.

Edel. Pure white on outside of petals and ivory at base. Full.

Edith Nellie Perkins. Salmon-pink and cerise-orange. Buds long and pointed.

E. G. Hill. The most unfading of all red roses. Long lasting when cut. Blooms produced singly on long strong stems.

Etoile de Holland. Brilliant red blooms with beautiful oval buds. Quite fragrant, strong, and free branching.

Frau K. Druschki. Pure white, outer petals of buds occasionally tinged with pink.

Feu Joseph Looymans. Long beautifully formed buds of apricot color, opening to golden buff.

Golden Emblem. Beautiful long buds of brilliant yellow striped with crimson on the outer petals.

Golden Ophelia. Deep golden yellow flowers of medium size.

Gruss au Teplitz. The old bedding rose. Always in bloom with its display of rich crimson.

Golden Dawn. Buds of rich straw yellow, opening to a beautiful well formed fragrant, double sunflower yellow.

Hadley. Rich crimson with velvety texture, very fragrant. Beautiful foliage and mildew proof.

Hoosier Beauty. Long, dark red buds opening to velvety red. Spicy fragrance.

Imperial Potentate. Dark shiny rose carmine buds which open to crisp petaled blooms of shining rose-pink.

Innocence. Great stiff petaled flowers 4 to 6 inches across, long ivory buds. Single white, unlike any other rose. Fragrant.

Irish Elegance. Long, beautiful buds of apricot, opening into a single flower.

Irish Fireflame. Rich deep orange, splashed with crimson. Single flower.

Irish Hope. A beautiful full bud opening into a rich red of perfect form. Delightfully fragrant.

Joanna Hill. A slender daintily colored variety of orange yellow. Moderately fragrant and fine for cutting.

Julien Potin. Gorgeous brilliant golden-yellow, becoming deeper as the flower matures. Buds long and shapely. Glossy, bronzy-green, mildew-proof foliage.

K. A. Victoria. Pearly white, tinted with lemon in center.

K. of K. Brilliant scarlet with a velvety sheen. Semi-double, intensely fragrant and wonderful for cutting.

Lady Hillingdon. Beautiful long pointed buds opening into rich apricot-yellow blooms.

Lady Margaret Stewart. Buds of deep sunflower yellow, heavily veined with orange scarlet.

Los Angeles. Rich flaming pink, shaded golden yellow. The most popular rose grown.

Lulu. Dainty, extremely long buds of coral apricot with which the bush is covered at all times.

Lord Charlemont. Long buds opening to large double flowers of intense clear crimson-scarlet and deepening to lasting carmine-crimson with almost black shadings.

Mable Morse. Prize winner at the 1934 rose show. Beautiful buds crimson tinted, opening to a full yellow.

Margaret McGredy. Orange scarlet or brick red. Heavy, beautiful foliage and stout stems.

Mrs. G. A. VanRossem. Petals exceptionally thick and dark orange-yellow, heavily veined and suffused with red.

McGredy's Scarlet. Brilliant red petals on hinges of deep gold. An exceptionally fine rose.

Mme. Butterfly. A brilliant pink suffused apricot and gold.

Mme. Edouard Herriot. A pure copper color, with buds of coral red, shaded with yellow at the base.

Mme. Jules Bouleé. White, lightly tinted with pink at the center.

Mrs. Henry Bowles. Warm pink flushed with salmon. In constant bloom.

Mrs. Aaron Ward. Indian yellow, washed salmon rose; buds small but beautifully formed.

Mrs. E. P. Thom. Has well formed buds and fairly large, double flowers of clear, even yellow, produced on good stems.

Mrs. Pierre S. Dupont. Beautifully formed, dark orange yellow. The buds are small but a most profuse bloomer.

Mrs. Sam McGredy. Large, fairly double bloom of orange salmon, with a suffusion of gold. Strong, healthy grower.

Ophelia. Flesh pink, shaded with rose. Large beautifully formed buds standing up well on stiff stems.

Padre. Rich coppery scarlet. Semi-double flowers borne on long erect stems on a tall bush. Free bloomer, good color.

President Hoover. Combines many shades of cerise-pink, flame, scarlet, and yellow. Long, beautifully formed buds and a rich fragrance. Bush is exceptionally fine.

Portadown Fragrance. A very double flower of orange-salmon pink with a silver sheen. A profuse bloomer.

Portadown Ivory. Long buds opening to ivory white. Perfectly double flowers sweetly scented.

Rev. Page Roberts. Soft buff yellow to a rich salmon. Very free blooming low bush. Rich, fruity fragrance.

Rapture. Like Ophelia in form, but a deeper pink.

Red Moss. The old fashioned red moss rose.

Red Radiance. The old hardy free blooming red favorite.

Sensation. Long pointed bud of deep rich red, having fine white vein in petals.

Shot Silk. Gold and orange buds opening to semi-double flowers of coppery rose shot with golden yellow.

Souv. de Claudio Pernet. Long-pointed buds of sunflower-yellow carried on good stiff stems. Exceptionally good.

Talisman. A mixture of orange and yellow which varies in the different blooms. Fairly double and borne on long stems.

Villa de Paris. An excellent deep yellow. Fine for cutting.

Vaterland. A strong growing rose which is much larger and of a darker colors than the Hadley. Flowers very double.

Vesuvius. Shapely buds, opening to dark red single glooms with showy yellow stamens; exquisitely fragrant.



RAPTURE

SELECTED CLIMBING ROSES

American Pillar. Single pink with white center and yellow stamens. Flowers borne in clusters with clean foliage.

Climbing President Hoover. Same flower as bush form.

Climbing Talisman. Same as the bush form; new.

Climbing Etoile de Holland. A climbing sport of one of the best dark red bush roses. 85c.

Cecile Brunner. Vigorous pale pink baby climber.

Emily Grey. Golden yellow.

Golden Emblem. Yellow, same coloring as in the bush rose.

Hadley. Crimson red.

K. A. Victoria. A beautiful creamy white.

Lady Hillingdon. Large flowers with long pointed buds; color of deep apricot-yellow.

Los Angeles. Shrimp pink. Same as the bush form.

Paul's Scarlet. Clusters of semi-double scarlet red flowers.

Mme. Gregoire Staechelin. Crimson buds opening to large, perfumed pale pink flowers. Makes large growth.

Mme. E. Herriot. Brilliant coral red buds opening to flaming pink and orange.

Mrs. Aaron Ward. Yellow, tinted salmon rose.



ECLIPSE



MARY HART



COUNTESS VANDAL

PATENTED ROSES

Amelia Earhart. Plant Patent No. 63. Large, ovoid, cream bud, with blushest; flowers very full, graduating from a deep yellow center to an outer collarette of large, cream petals. **Each \$1.25.**

Condessa de Sastago. Two-toned, coppery pink inside, and gold reverse. Open glowing flower; heavy bloomer. **Each 75c.**

Countess Vandal. Plant Patent No. 38. The rose of roses! "Countess" has been enthusiastically received by rose-lovers everywhere. Coppery bronze, suffused with soft gold. **\$1.00.**

Eclipse. Plant Patent No. 172. The international sensation of the year, awarded prizes in Rome, Paris and other test gardens. The long streamlined bud, enhanced by ornamental sepals, is of rich gold without shading. **Each \$1.25.**

Gloaming No. 137. Long buds with long stems make Gloaming a favorite for cutting. Pink overlaid salmon. **Each \$1.00.**

Mary Hart. Plant Patent No. 8. A striking red sport of Talisman. The bud is maroon-red, opening to well-formed blooms of deep velvety blood-red with an overglow of amber. Unlike most red roses, Mary Hart does not wilt or dry out when cut but opens perfectly. **Each. \$1.00.**

Matador No. 170. Well formed crimson with a darker sheen on the reverse side. Perfumed and vigorous. **Each \$1.00.**

Mme. Cochet-Cochet. Perfectly formed buds opening to soft salmon-rose flowers. **Each \$1.00.**

Rome Glory. A most robust and vigorous plant, much more winter-hardy than most Hybrid Teas, producing in quick succession long stems bearing large, crimson-red buds opening into full, well-formed, fragrant, cerise-red blooms. The flowers are long-lasting on the plant or when cut and are not affected by dry or wet weather. **Each, \$2.00.**

Ronsard. Buds of yellow; edges of petal gradually turn back and show deep scarlet-red inside. Good bloomer. **Each \$1.50.**

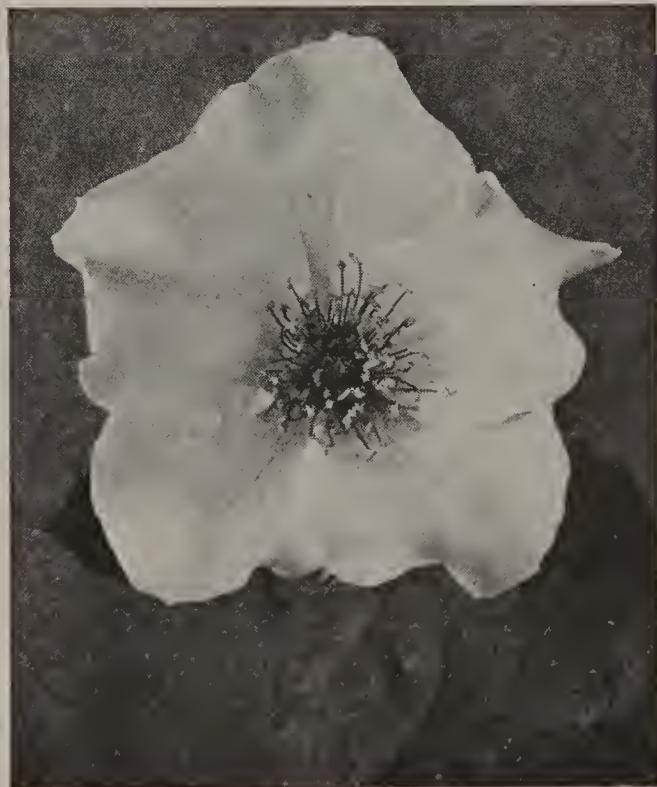
Signora. Plant Patent No. 201. This rose from the land of sunshine and Chianti wine is a real masterpiece in both plant and bloom. Long bud of a warm burnt sienna, opening to a lighter hue toward mandarine. The plant is tall-growing with every bloom on a long stem. Foliage is handsome. **Each \$1.25.**

Texas Centennial. Plant Patent No. 162. A sport of President Herbert Hoover with all its wonderful plant qualities. Color is blood-red, toning to cerise-red in center. Most striking new red of unusual color. **Each 75c.**

Blaze. Plant Patent No. 10. Acclaimed by the nation as the only hardy everblooming scarlet climber. Blaze combines the vigor, beauty and hardiness of Paul's Scarlet Climber with the everblooming qualities of a favorite everblooming rose, propagated from blooming wood. **Each \$1.00.**



MME. BUTTERFLY



DAINTY BESS



LILY POOL

WATER LILIES

Hardy Oregon Grown Stock—Guaranteed to Grow

Care and Culture—To plant, secure a box 2x2 feet square and 8 inches deep. Fill box with a compost of one-third well rotted barnyard manure or sheep guano, and two-thirds garden soil; then plant one lily in same, leaving crown above compost about two inches. Then put about one inch of sand over compost, leaving just the tip of crown of lily above sand. Where plants are placed on floor of pool without boxes, there should be about five inches of compost all over bottom of pool, and plants as in boxes. Never place lilies less than four feet apart for best results, and not over three lilies in a 5x8-foot pool. Few people know that water lilies can be planted with excellent results all through blooming season, or from April 1 to September 30, in most climates. Once planted they require no care for two years; then they should be replanted and refertilized. Lilies will grow and bloom in five inches of water, but we recommend 18 inches to two feet of water above crown of plant. A pool of water lilies in your garden will give many years of pleasure, as they are practically no care, and they bloom from Spring until late Fall.

**TO ORDER BY MAIL ADD 15c POSTAGE
FOR EACH LILY**

WHITE

Marliacea Albida. The freest bloomer of all. All star shaped. Very vigorous and lots of leaves. **Each 50c.**

Tuberosa Richardsonii. Very fragrant. Cup shaped. Few small leaves. Not quite as heavy bloomer as the Albida. **Each 50c.**

Gladstoniana. The largest of all whites. Very free bloomer. Suitable for large pools. **Each \$1.00.**

SUNSET

Comancha. The best of sunset shades, and very hardy. Free bloomer, the last to stop blooming in the fall. Will thrive anywhere in tubs or a large pool. **Each \$1.00.**

PINK

Marliacea Rosea. Large star-shaped blooms; heavy foliage, and best bloomer of all pinks. Needs plenty of room for best results. **Each 75c.**

Rose Arey. Free bloomer; very fragrant; long petal blossom. A sweepstakes winner. **Each 75c.**

W. B. Shaw. Star shaped; long petal; very fragrant. Delicate shade of pink; Good bloomer. **Each 50c.**

Pink Opal. Just what its name implies. Cup-shaped blooms; fragrant and free blooming. **Each 50c.**

Sumptuosa. A variegated crinkled petal bloom of large size. Does well in shallow or deep water. **Each 50c.**

YELLOW

Marliacea Chromatella. Choice of all yellows. A truly gorgeous yellow with mottled leaves. No pool is complete without this plant. **Each 75c.**

RED

(A word about Red Water Lillies: They are slow to multiply. Hence a little higher in price.)

Gloriosa. And it really is when in full bloom. It's something to thrill you and a very good bloomer. **Each \$1.00.**

James Brydon. A cup-shaped bloom; few leaves, but lots of blooms. Very suitable for small pool. **Each \$1.00.**

Escarboucle. The largest of all the pure red lillies. Very free bloomer, but requires plenty of room. **Each \$1.75.**

Conqueror. And it really is, for it is the giant of all hardy water lillies. Large leaves and good bloomer. It likes deep water and lots of room. **Each \$1.00.**

Wm. Falconer. A very rare, real dark velvety crimson bloom. The darkest red of them all. A plant to be proud of **Each \$5.00.**

BRAEGER'S SELECT NURSERY STOCK

FRUIT TREES

Our shipping season for the above is from November 1 to April 1. Some seasons May 1, although it is too late for best results. We advise late fall or early planting while stock is dormant.

How We Ship. Unless otherwise instructed, we ship by express or freight, whichever is cheapest, and the buyer pays the charges.

Care of Stock Upon Arrival. If you are not ready to plant, dig a trench and "heel" in. If ground is frozen, put in a cellar and keep roots damp.

Positively no nursery stock sent C. O. D.

APPLES

3-4 ft. 45c each; 4-6 ft. 55c; extra select 75c.

Gravenstein. Summer, large red striped. Fine flavor; good cooking.

Red Gravenstein. Bright red, juicy; good shipper.

Yellow Transparent. Early, clear yellow. July.

Jonathan. Brilliant red; strong bearer, excellent flavor. Fall.

King. Large striped red, productive, good cooker. Fall.

Delicious. Red striped, large, strong bearer, wonderful flavor.

Red Delicious. Large bright red, fine grained, fine eating.

Red Rome. Large red, excellent shipper. Winter.

Spitzenburg. Large bright red, rich and juicy. Winter.

Staymen Winesap. Yellow striped red; good commercial. Winter.

Winesap. Bright red. Prolific; good shipper. Late winter.

Yellow Newtown. Late winter. Good keeper, sweet and juicy.

Yellow Delicious. Early winter. Good shipper, fine flavor.

CRABS

Hyslop. Yellow with crimson maroon shadings.

Red Siberian. Heavy producer, bearing in clusters. August to September.

Transcendent. September fruit, medium to large; brownish yellow. Acid.

Prices same as for large apples.

APRICOTS

3-4 ft. 1 yr. 50c; 4-6 ft. branched, 75c.

Moorpark. Fruit large, roundish, orange to brown red. August.

Royal. Large French variety, dull yellow, firm and rich.

Tilton. Large rich apricot color, strong bearer, fine quality.

Wenatchee. Exceptionally large commercial variety, early, prolific.

QUINCE

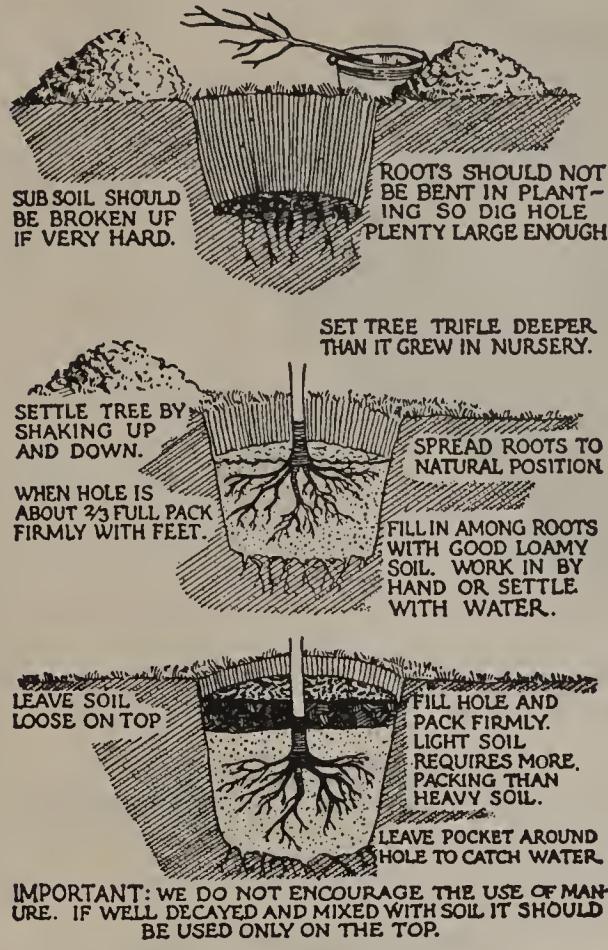
3-4 ft. 50c each; 4-6 ft. 75c each.

Champion. Very large, bright yellow.

Pineapple. Pineapple flavor, may be eaten raw. Excellent for jelly.

How to Plant a Tree

SET TREE IN TUB OF WATER WHILE DIGGING HOLE.



CHERRIES

3-4 ft. 45c; 4-6 ft. 65c; extra select 75c.

Sweet Varieties

Bing. Large black red, excellent flavor. July 1.
Black Republican. Dark red, good keeper, pollinizer.
Black Tartarian. Large black, mild flavor, heavy bearer, pollinizer.
Lambert. Large heart shape. Purplish red, rich flavor, good shipper.
Royal Ann. Large, yellow with red cheek, good keeper and canner.

Sour Varieties

Early Richmond (Kentish). Medium size, bright red. Last of June.
Late Duke. Large rich red, sub-acid. Last of July.
May Duke. Medium size, dark red, juicy. First of June.
Montmorency. Strong bearer, fruiting young. Fruit large. Late June.

PRUNES

4-6 ft. 50c; 6-8 ft. 60c.

Hungarian. Large bright red, one of the best for marketing.
Italian. Dark purple, standard drying variety.
Silver Prune. Large sweet, good drying. Late.
French or Petite. Excellent drying, firm and sweet.
Sugar. Early, drying and fresh shipping. Medium to large fruit.

PLUMS

Prices same as for Prunes.

Bradshaw. Large early, dark violet-red; productive; mid-August.
Damson. Very productive, dark purple, fine for culinary uses.
Green Gage. Medium size, greenish yellow, high quality; mid-season.
Peach Plum. Large early variety; skin red dotted; mid-July.
Giant Satsuma. Large freestone shipping plum. Blood red flesh.
Burbank. Medium to large. Orange-yellow. Flesh sweet and meaty. Mid-June.
Abundance. Large. Cherry red. Flesh yellow. Juicy. July and August.
Santa Rosa. Deep, purplish crimson. Yellow flesh. Middle of June.
Beauty. Early. Large crimson; amber-crimson flesh.

NECTARINES

Early Violet. Rich highly flavored, yellow with purple cheek. July.
Boston. Deep yellow with bright blush, pleasing peculiar odor; freestone.
 Same prices as for peaches.

PEARS

3-4 ft. 45c; 4-6 ft. 55c; 4-6 ft. select 75c each.
Bartlett. Large golden yellow summer variety.
Beurre d'Anjou. Large yellow with blush, good keeper.
Beurre Bosc. Large, very productive, russet, juicy.
Winter Nellis. Yellow covered with russet, medium size.
Clapp's Favorite. Large, similar to Bartlett but without its musky flavor. Hardy and productive. August and September.

PEACHES

3-4 ft. 45c; 4-6 ft. 60c; heavy select 4-6 ft. 75c.

Hales Early. One of the best white peaches, juicy and sweet; June.
J. H. Hale. Very large, golden yellow blushed red with fuzzless skin; freestone.
Rochester. Similar to Crawford but two weeks earlier; yellow freestone.
Charlotte. An improved early Crawford; smoother and heavier bearer.
Improved Early Elberta. Excellent canning; two weeks earlier than Elberta.
Late Crawford. Large yellow freestone.
Muir. Late August, yellow skin and flesh; resistant to curl leaf.
Slappey. Yellow, good bearer. Fine flavor. Medium early.
Standard Elberta. Large, golden yellow. Juicy, rich and sweet. Freestone. September.
Golden Jubilee. Outstanding peach of recent introduction. Early, yellow freestone. Hardy and good shipper. Price: 3-4 ft. 50c; 4-6 ft. 65c.

Suitable Distance for Planting Trees and Plants

NOTE—Depending on method of cultivation. In planting in the home garden for hand cultivation you can set plants or trees closer.

Apples, standard	25 to 35 feet
Apples, dwarf	10 to 12 feet
Pears, standard	20 to 25 feet
Pears, dwarf	10 feet
Peaches and Apricots	18 to 22 feet
Cherries, sweet	30 to 35 feet
Cherries, sour	18 to 22 feet
Plums and Prunes	20 to 25 feet
Quinces	15 to 18 feet
Walnuts	40 to 50 feet
Currants	3 by 6 feet
Gooseberries	4 by 6 feet
Raspberries	3 by 6 feet
Strawberries, in hills	2 by 3 feet
Strawberries, matted rows	2 1/2 by 4 feet
Asparagus, in beds	1 by 1 1/2 feet
Asparagus, in field	1 by 4 feet
Rhubarb	2 by 6 feet
Logans and Cory Blackberries—	
Rows	6 to 9 feet apart
Plants in the row	6 to 10 feet apart
Grapes—	
Rows	6 to 9 feet apart
Plants in the row	6 to 10 feet apart

Number of Plants to Acre

Set regular distances apart

Distance Apart	No. Plants	Distance Apart	No. Plants
1 ft. by 6 in.	87,120	6 ft. by 6 ft.	1,200
2 ft. by 6 in.	43,500	7 ft. by 7 ft.	888
2 ft. by 12 in.	26,780	8 ft. by 8 ft.	680
2 1/2 ft. by 12 in.	17,420	9 ft. by 9 ft.	537
2 1/2 ft. by 18 in.	17,420	10 ft. by 10 ft.	435
2 1/2 ft. by 18 in.	11,616	11 ft. by 11 ft.	360
2 1/2 ft. by 2 ft.	8,712	12 ft. by 12 ft.	302
3 ft. by 1 ft.	14,520	14 ft. by 14 ft.	222
3 ft. by 1 1/2 ft.	9,924	15 ft. by 15 ft.	193
3 ft. by 2 ft.	7,260	16 ft. by 16 ft.	170
3 ft. by 3 ft.	4,840	17 ft. by 17 ft.	150
4 ft. by 1 ft.	10,890	18 ft. by 18 ft.	134
4 ft. by 2 ft.	5,445	19 ft. by 19 ft.	120
4 ft. by 3 ft.	3,630	20 ft. by 20 ft.	108
4 ft. by 4 ft.	2,722	25 ft. by 25 ft.	69
5 ft. by 1 ft.	8,712	30 ft. by 30 ft.	48
5 ft. by 2 ft.	4,356	33 ft. by 33 ft.	40
5 ft. by 3 ft.	3,904	40 ft. by 40 ft.	27
5 ft. by 4 ft.	2,178	50 ft. by 50 ft.	12
5 ft. by 5 ft.	1,742	60 ft. by 60 ft.	17
6 ft. by 3 ft.	2,420	66 ft. by 66 ft.	10
6 ft. by 4 ft.	1,815		



GROW YOUR OWN

NUT TREES

WALNUTS—Vrooman Franquette. Grafted on California Black root. 1 yr. 3-4 ft. 85c; 1 yr. 4-6 ft. \$1.25; 1 yr. 6-8 ft. \$1.50; 2 yr. 6-8 ft. \$2.50; 2 yr. 8-10 ft. \$3.50.

ALMONDS—Soft-shelled varieties. Nonpareil, I. X. L., Ne Plus Ultra, Drake's Seedling, valuable pollenizer, 3-4 ft. 1 yr. 45c; 4-6 ft. 1 yr. 55c.

FILBERTS—Nursery grown transplants and tip layers.

	Each	5 to 50	50 or more
2 to 3 ft.	40c	35c	25c
3 to 4 ft.	50c	45c	35c
4 to 5 ft.	60c	50c	45c

Barcelona. Large round nut, very prolific. Uniform size. The principal commercial variety.

Duchilly. Large oblong nut, excellent quality. Not as productive as Barcelona but usually bringing a higher price.

Daviana. Long striped nut of the Duchilly type; used as a pollenizer for the Duchilly and Barcelona.

White Avelines. Small long shaped nut used as a pollenizer for Barcelona.

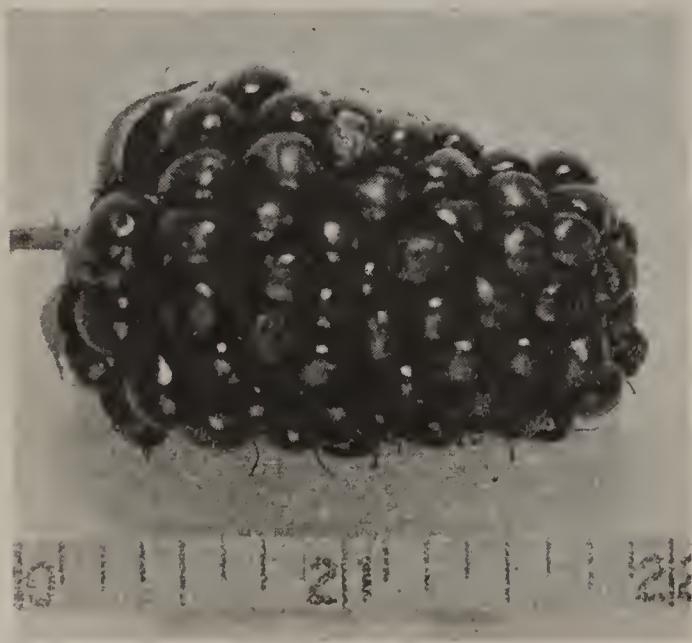
CHESTNUTS—American Sweet. 3-4 ft. 85c; 4-6 ft. \$1.00.

FIGS—Latturula Honey Fig. Strong plants, \$1.50 to \$2.50.

SMALL FRUITS AND ROOTS

ASPARAGUS

Martha Washington. Rust-resistant strain. 2 yr. plants 25c doz.; \$1.25 for 100.



BOYSENBERRY

BLACKBERRIES

1 yr. 15c; 12 for \$1.50; 2 yr. 25c; 12 for \$2.50.

Himalaya Giant. Small seed and core, large berries.

Lawton. Large black, very sweet.

Corey Thornless. Large fruit, stalks completely thornless.

Evergreen. Large, a most delicious flavor.

BOYSENBERRY (New)

Tips, 10c each; \$1.00 doz.

For larger quantity write us for price.

The Boysenberry is a new variety, said to be produced by crossing blackberries, raspberries and Loganberries. The flavor is a very pleasing blend of these varieties. It has few and soft seeds. The great size is hard to explain—it seems to be just one of those things that happen in new crosses (possibly once in a million). The vine has all the vigor which is often characteristic of new varieties.

CURRENTS

15c each; \$1.50 doz.

Perfection. Large, bright, crimson. Best.

GOOSEBERRIES

Oregon Champion. 1 yr. 15c each; 1.50 doz.

GRAPES

The grape is the easiest of all fruits to grow. The plants take little room, they thrive despite neglect and every year they produce their wealth of beautiful, health-giving fruit.

Campbells Early. Large, sweet, black; 2 weeks earlier than Concord.

Concord. The popular variety. Hardy.

Worden. Black, early and larger than Concord.

Sweetwater. White, early, sweet, table and juice variety.

Niagara. The white Concord.

Zinfandel. Black, heavy bearer, juice and wine variety.

Red Mountain. A pink wine grape, the best for all around use.

2 yr. 20c each, \$2.00 doz.

HORSERADISH

25c doz., \$1.00 hundred. (30c doz., \$1.25 hundred postpaid)

Sets planted in April and May, small end down, with the tops one inch below the surface, in rich, well-cultivated soil, will form radish of large size in one season's growth. Of the common variety, we offer small roots.

LOGANBERRY

Tips 15c, \$1.50 doz. (20c, \$2.00 doz. postpaid)

The loganberry is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry. Fruit ripens early, excellent for jelly or jam. June.

YOUNGBERRY

These berries are a cross between the loganberry and the dewberry. An exceptionally fine flavored, very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color, jet black. Ten plants of this variety will make a row eighty feet long. Tips 5c; 6 for 25c. Larger tips 10c, 3 for 25c. Transplants 15c, \$1.50 doz. (Postpaid prices: Tips 10c, \$1.00 doz.)

STRAWBERRIES

We list a few desirable kinds, prices in small quantities. Call at the store or write stating the kind you want and quantity.

New Oregon. Most uniform and heaviest yielding main crop strawberry. Large, firm, of fine form, average 15 to the quart box. Brilliant deep rich red, with glossy varnished appearance. Color extends through to center and they are never hollow. Flavor is suggestive of wild berry; an early bearer and holds up in size and quality throughout the season. 1 doz. 25c; 25, 35c; 100 for \$1.00. (1.25 hundred postpaid).

Marshall. One of the best all-around strawberries. Very large and fine flavored throughout the entire bearing season. A splendid market and table berry. 1 doz. 25c; 25, 35c; 100 for \$1.00. (\$1.25 hundred postpaid).

Gold Dollar. Early, good table sort, moderately sub-acid. 12 25c; 25, 35c; 100 for \$1.00. (\$1.25 hundred postpaid).

Fairfax. New berry, outstanding for production, size, flavor and beauty. Vigorous grower. Very worthwhile. 1 doz. 25c; 100, \$1.00. (\$1.25 hundred postpaid).

Dorsett. Will not disappoint. Very consistent bearer. Nice light red color. 1 doz. 25c; 100, \$1.00. (\$1.25 hundred postpaid).

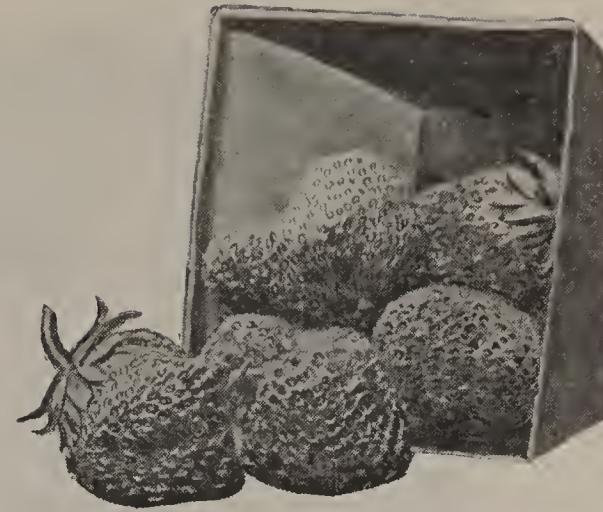
Gem Everbearing. A newer Everbearing and a good one. Is hardy and drought-resisting. Deep red color. 35c doz.; \$2.00 per 100. (\$2.25 hundred postpaid).

Mastodon Everbearing. One of the most satisfactory Everbearing types. Bears a nice good size berry over a long period of time. Needs irrigation to bear best. 35c doz.; \$2.00 per 100. (\$2.25 hundred postpaid).

Rockhill. The finest of the everbearers. Delicious flavor. Will bear from early till late. Does fine the first year. 10 plants 50c; 100, \$4.50. (\$5.00 hundred postpaid).

RASPBERRIES (Black Caps)

Gregg. Of good size, fine quality, very productive and hardy. Takes same position among blackcaps as Cuthbert among the red sorts.



FRESH STRAWBERRIES FROM YOUR GARDEN

RHUBARB

Note. Do not cut Rhubarb but pull it. This leaves the eye free to grow another stalk.

Riverside Giant. Very satisfactory. Heavy bearing. 10c each, \$1.00 doz. (15c; \$1.50 doz. postpaid).

Panama. Finest rhubarb we've eaten. Sweet and deep in color. 20c each, \$2.00 doz. (25c; \$2.50 doz. postpaid).

RASPBERRIES (Red Caps)

10c each, 75c doz. (\$1.00 doz. postpaid)

Cuthbert. Deep rich red, large and firm; one of the best market berries. Ripens medium to late.

Lloyd George. A new and truly outstanding variety. Considered by many as the finest berry on the American market.

BRAEGER'S FANCY GRASS AND FIELD SEED

Fancy Lawn Grasses

We make quality Grass Seeds our specialty. We offer only the best obtainable and we know they will give you results. Much depends, however, on methods used in planting and maintaining your lawn.

Write for or ask for our "Pamphlet on Lawn Culture."

BRAEGER'S SPECIAL LAWN SEED

A wonderful mixture that is the result of years of experimenting. It is especially prepared by us from the highest quality seeds that can be produced. It makes a smooth, green, velvety lawn with a thick bottom, free from common grasses which are inclined to produce clumps or knots. Only the very finest varieties of the most suitable grasses for making an even, thick mass of grass are used in this mixture. The various grasses composing this well-balanced blend are fine-bladed and deep rooting, sure to produce the best results under average conditions of soil and climate. It is all plump, heavy seed, free from chaff or weed seeds. Sow one pound for a plot 10 by 20 feet (200 square feet); 100 to 150 pounds of seed are required to sow one acre.

Price, 60c lb.; 10 lbs., 55c lb.

STAIGREEN LAWN GRASS

For those who like White Clover in their lawn we recommend this mixture. We use the highest grade seeds in Staigreen. You can depend on it for a beautiful lawn. Sow one pound to 200 square feet. Price, 50c lb.; 10 lbs., 45c lb.

SHADY LAWN GRASS

This mixture of fancy lawn grass is designed for those places in your yard where sun is scarce, between houses, under trees, etc. In growing grass in these places the soil must be fertilized more heavily than in open ground. Most failures in growing lawn are due to soil condition. Add some grass seed every spring to help the turf. Price, 60c lb.; 10 lbs., 55c lb.

Astoria Bent. This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper.

NOTE:

WE USE NO RYE GRASS, TIMOTHY OR
OTHER COARSE BUNCH GRASSES
IN OUR MIXTURES.

Chewing Fescue. Used extensively on putting greens, fairways and tees on golf courses, and does well on any kind of soil. It also produces a stiff, upright plant. Sow 1 pound to 150 square feet.

Super Blue Grass. We are headquarters for this wonderful Oregon grown Blue Grass. Better than 99% pure and the heaviest seed now obtainable. You'll agree with us that Oregon is leading the Nation in producing Kentucky Blue Grass.

Kentucky Blue Grass. Makes an excellent lawn of a dark green color. It forms a fine mat, with care and water makes one of the best lawns. Sow 1 pound to 200 square feet.

Shady Blue Grass (Poa Triavialis). For shady lawns or wood pastures. An excellent grass. Sow 1 pound to 200 square feet for lawns.

Wood Meadow Grass. A very fine bladed grass, medium dark green in color, used in mixtures for shady spots. Sow 1 pound to 200 square feet.

Red Top. Used principally in mixtures. Germinates very quickly so is valuable for nurse to other grasses. Very fine blades.

White Dwarf Clover. Very low growing sort, principally used in poor ground to give a green cover, many like it in lawns, especially where grass does not do well.



TYPICAL FIELD OF GRIMM ALFALFA



NITRAGIN
The Original Legume Inoculator
Forty Years of Service

Don't Lose Those Extra Profits by Failing to Inoculate Your Legume Seeds with →

BUILD UP YOUR SOIL
Inoculate Your Legumes with NITRAGIN

Make the most of your seed, soil and labor. Don't let legumes rob your soil—be sure they are soil builders. Remember legumes NOT Inoculated are "SOIL ROBBERS" but legumes WELL Inoculated are "SOIL BUILDERS." Play safe!

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture—tested and guaranteed—easy to apply—packed with Billions of fresh bacteria—the cheapest legume crop insurance money can buy. Directions on every can.

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS		LESPEDAZA Hulled or Unhulled	
Size	Retail	Size	Retail
1/2 bu. ea.....	\$.30	1 bu. ea.....	\$.30
1 bu. ea.....	.50	2 bu. ea.....	.50
2 1/2 bu. ea.....	1.00	5 bu. ea.....	1.00

PEAS (All Varieties)		SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS	
VETCHES (All Varieties)		1 bu. ea.....	\$.30
1/2 bu. ea.....	.25	2 bu. ea.....	.50
1 bu. ea.....	.40	5 bu. ea.....	1.00
1 1/2 bu. ea.....	.60	10 bu. ea.....	1.60
5 bu. ea.....	1.70	25 bu. ea.....	3.00
12 1/2 bu. ea.....	4.00		

BEANS		GARDEN SIZE	
String, Wax, Kidney		Garden Peas and Beans	
1/2 bu. ea.....	.25	Enough for 4 lbs. seed	
1 bu. ea.....	.40	Retail Price 10c each.	
5 bu. ea.....	1.70		

NITRAGIN—Oldest and Most Widely Used Inoculator in America

FIELD CORN

See Vegetable Seed, page 25.

Field Seeds

We do not price our Field Seeds because of Market fluctuations. Write us or call at our store concerning your needs.

ALFALFA

(12 to 15 lbs. per acre).

Domestic Alfalfa. Fancy Domestic High Altitude Seed. Hardy anywhere, high purity and germination.

Domestic Alfalfa (Dry Land Grown). Grown in the dry plains region without irrigation. Very hardy and productive.

Grimm Alfalfa. State Sealed and Certified Seed. Grimm Alfalfa is the hardiest of the hardy Alfalfas and differs from the domestic or common variety in that it has a spreading root system instead of the long tap root which is sometimes broken when the ground bulges, during the spring freezes, thus causing the plant to die. Highest grade seed.

Grimm Alfalfa (Growers' Affidavit Seed). This seed is as good and pure and will produce as much fine hay per acre as the certified seed. The grower makes affidavit that it is genuine Grimm seed.

CLOVER

(10 to 12 lbs. per acre).

Mammoth Red Clover. Also called "Pea Vine" Clover. This variety grows larger and coarser than the medium and is often used for plowing under to enrich the soil, for which purpose it is very valuable. American grown seed.

Ladino White Clover. Is a very large form of clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Makes especially vigorous growth on the lower, medium heavy types of soil. Sow 4 to 6 pounds per acre.

White Dutch Clover (trifolium repens). A very hardy creeping clover, which adapts itself to a great variety of soils and climates, being found in every state in the Union. Superior for pasture either for sheep or cattle. As a bee pasture it is unexcelled. 6 to 8 pounds per acre.

Yellow Sweet Clover, Biennial (Melilotus Officinalis). In great demand on account of its earliness, being about two weeks earlier than the white. Does not grow as tall as white, but makes just as good pasturage. Produces high quality hay.

White Sweet or Bokhara Clover, Biennial (Melilotus Alba). Excellent for pasture, hay and a soil improver. More drought-resistant than alfalfa and will generally produce a large crop of seed and hay the second year. Thrives best on alkali soil. 15 to 20 pounds per acre.

Red Clover (Trifolium Pratense). Furnishes an excellent feed for pasture and hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of alfalfa and also in crop rotations. It will withstand colder temperatures than most varieties of alfalfa and also will thrive in slightly wetter land than alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 15 pounds to the acre.

40

MAIL ORDERS TO BRAEGER BROS., 140 S. W. YAMHILL, PORTLAND, OREGON — PHONE ATwater 5522

Crimson or Scarlet Clover (*Trifolium Incarnatum*). Highly recommended for pasture and fertilizing purposes. A thrifty annual. Germinates quickly, grows rapidly, stools abundantly. **Alsike** (*Trifolium Hybridum*). Very hardy, adapted for sowing on cold, wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Write for quantity prices.

GRASSES

Bromus Inermis (Awnless Brome Grass). The best grass we have for the semi-arid regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 pounds per acre. Spring or fall.

Meadow Fescue (*Festuca Pratensis*). This is a very valuable species for permanent grass lands and is relished by livestock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil.

Oat Grass, Tall Meadow. The earliest grass to start in the spring and the last to die in the fall. Withstands drought, heat and cold much better than other grasses. A long-lived, deep rooted perennial. Grows equally on bottom or upland. Pasture, 20 to 30 pounds per acre.

Orchard Grass or Cocksfoot (*Dactylis Glomerata*). Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcasted at the rate of 30 pounds per acre on well prepared soil.

English Rye Grass (*Lolium Perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. Pasture, 30 pounds per acre.

Italian Rye Grass (*Lolium Italicum*). A quick growing grass, attaining a height of 2½ to 4 feet, desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre.

Oregon Rye Grass. The finest rye grass grown, far superior to imported. Pasture, 30 pounds per acre.

Timothy (*Phleum Pratense*). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre.

Pasture Mixture for Burned-over Land. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes. Highland or lowland.

Sudan Grass. An excellent drought resisting forage plant. All stock relish it. Drills. Sow 3 to 5 pounds per acre. Broadcast, 16 to 20 pounds.

Red Top (*Agrostis Vulgaris*). A valuable grass for most soils. It is a good, permanent grass. It should be fed close, for if allowed to grow up to seed, the cattle refuse it. It has been grown successfully on "alkali" bottom lands, where other grasses failed. We offer only the clean seed. Sow 15 to 20 pounds of clean seed to the acre.

Kentucky Blue Grass. This makes the best, sweetest and most nutritious pasture for all kinds of stock. It is very hardy and is uninjured by cold or dry weather, hot sun or tramping hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires two years to get well started and for that reason is often sown in mixture with other grasses. From 20 to 25 pounds to the acre.

Crested Wheat Grass. This is the valuable plant that grows wild over our Western country and thrives well in semi-arid sections. It is the famous bunch grass of the Canadian Northwest. It is one of the best and is the surest hay grass for these sections. It produces large quantities of hay and makes excellent permanent pasture. It withstands drought and the cold winters. As a mixture it does fine with Brome grass. 15 lbs. of seed is usually sown to the acre.

Reed Canary Grass (*Phalaris arundinacea*) is an extremely hardy perennial which successfully grows, produces hay and pasture on land too wet for common farm crops. It will not thrive on land covered by stagnant water, but will provide hay and pasture crop on land where the water table is practically at the surface of the soil all of the time and above the surface part of the time. Sow 4 to 6 pounds per acre broadcast.

MANGELS (See Vegetables, page 23)

MILLETS

20 to 30 lbs per acre.

Japanese Barnyard Millet. This millet is exceedingly palatable and is the best of summer green feeds for the cool coast sections.

German or Golden (*Panicum Germanicum*). Will grow on any good land and yields heavily when irrigated. Yields from 40 to 60 bushels of seed per acre, and is excellent food for stock and poultry. Also a good green fodder plant.

Hog or Broomcorn. The seed is large for a Millet and is a rich food. The name "hog millet" is used to emphasize the use for which it is intended. It is a valuable feed for hogs as well as for birds and poultry.

EARLY AMBER CANE

(8 to 10 lbs. per acre).

The most common variety of forage Sorghum grown. Plant late in the spring, the crop requires warm weather and is drought-resistant. Should be planted in rows and cultivated like corn. During past few years some publicity has been given to its cultivation for sorghum syrup and it is increasing in popularity for that purpose.

OATS

75 to 100 lbs. per acre.

Victory. This oat originated a number of years ago in Sweden, and since its introduction in this country has become more popular each year. It is similar to Swedish Select in season. Grain of medium size, short, plump, white, thin hull, nearly beardless. A heavy yielder. The straw is very stiff and firm.

Gray Winter Oats. Used as fall or winter. May be sown in the spring for hay in coast sections.

White Side or Tree Oats, is a white side oat adapted to irrigated land. This variety is noted for its abundant yield or forage.

FIELD PEAS

100 lbs. per acre, or 80 lbs. with 35 lbs. oats.

Austrian Winter Peas. Here is the ideal forage legume for hay, ensilage or for pasture. Austrian Winter Peas will out-yield vetches 2 to 1. The vines and pods are almost as large and heavy as garden peas. The vines, like all legumes, are relished by all kinds of stock. Plant in the fall for best results.

Canadian. This legume has the distinct advantage of being suited to late planting. Canadian Field Peas may be planted in cold weather and furnish a most valuable cover crop.

RAPE

3 lbs. per acre drill—5 lbs per acre broadcast.

Dwarf Essex. This crop is very highly recommended for pasture for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry.

RYE

70 to 100 lbs. per acre.

Spring Rye is an excellent soiler and can be produced on poor, worn out land under dry conditions where other grains would fail. It is useful as a cleaning crop for the purpose of eradicating wild oats. Makes early pasture and may be cut and cured for hay.

Winter or Fall Rye serves a very useful purpose for pasture and hay. May be sown in the spring and summer as well as in the fall. When Winter Rye is sown after frost it goes into the following season before maturing, thus making it a biennial.

SOYBEANS

35 to 50 lbs. per acre.

Soybeans are annual legumes widely adapted to various soils and not difficult to grow, are excellent as a summer catch crop and splendid soil builders. Soybean hay is one of the best roughages and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard. Plant in rows.

SUNFLOWER

Mammoth Russian. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs per acre.

VETCH

Common Vetch. A vine resembling peas and valuable for forage and green manure. As a hay crop it is generally sown with oats or wheat to afford support for the vines. Usually sown in the fall for cover crops and turned under in the spring. 80 lbs. or 60 lbs. with 40 lbs. of oats.

Hairy Vetch (*Vicia Villosa*). Thrives on poor, arid, sandy soils, and makes a better growth during the cold season than the others. 30 lbs. per acre.

Hungarian. Finer stemmed and leafier than most forage vetches. Suitable to various types of soils. Very resistant to aphid attacks.

POTATOES

We offer a few varieties of special merit that we recommend. We think it is folly to plant ordinary or common stock. Many gardeners insist on the best vegetable seeds, then plant any old kind of potatoes. Get a start of some of our select seed stock and you will be more than pleased with the results.

Remember. — Potato prices subject to market changes. Quantity prices on request. Write when ready to buy and state quantity wanted.

Netted Gem

"Earliest of All"

Katahdin

Irish Cobbler

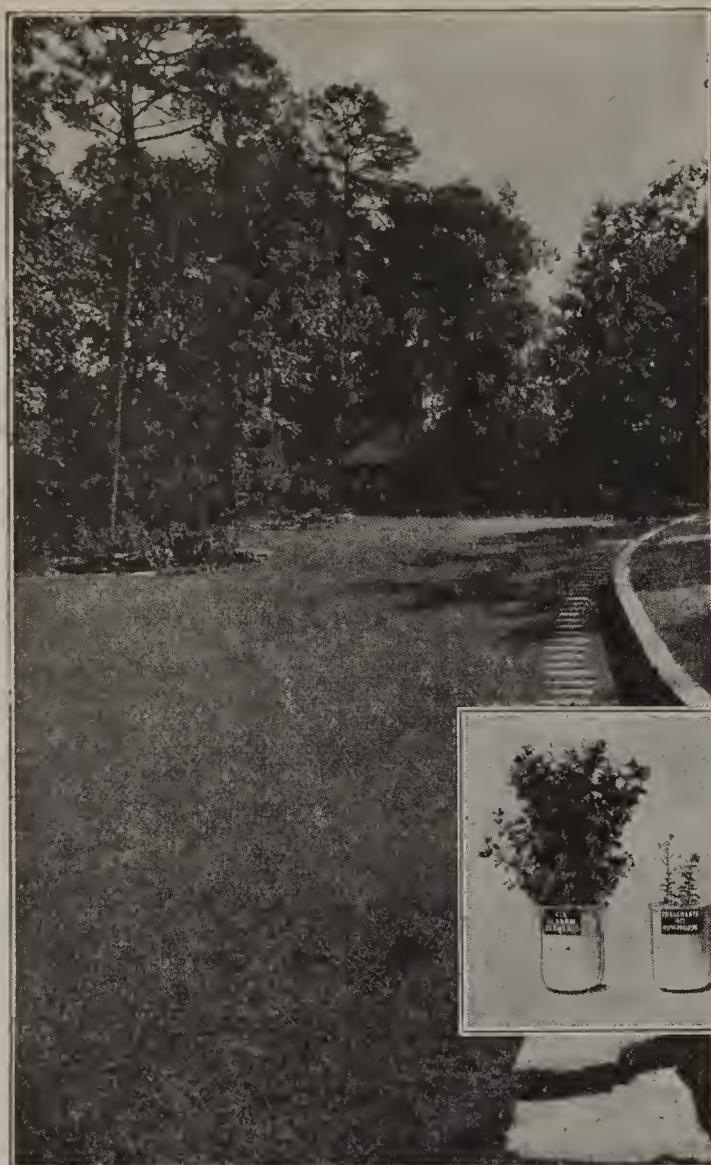
Improved Burbank

Early Rose

Pride of Multnomah

Bliss Triumph

American Wonder



Have Beautiful Lawns and Flowers

Millions of enthusiastic users are enjoying real gardening success since feeding their plants with Vigoro. Vigoro is especially made to meet the need of the home gardener. It contains all 11 of the plant food elements scientists have proved plants must get from the soil.

Why not stop trusting to luck? Feed your lawn, flowers, shrubs, trees, and vegetables with Vigoro. Incomplete materials, that is, plant foods lacking in one or more necessary elements, can't give you best results. The photograph below shows what happens when even one element is lacking in the plant's diet.

This year feed everything you grow with Vigoro. It's clean, odorless, and sanitary . . . and, because you need so little, it is the most economical plant food you can buy!

100-lb. bag....\$3.50	10-lb. pkg....\$0.70
50-lb. bag.... 2.30	5-lb. pkg..... .45
25-lb. bag.... 1.40	1-lb. pkg..... .10

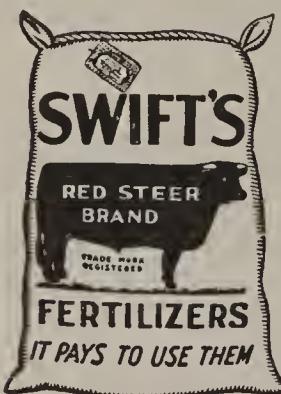
F.O.B. Portland

VIGORO
Complete plant food

A Product of Swift

Apply VIGORO with a Spreader

Model B (small)	\$3.70
Junior (medium)	7.55
Large (24-inch)	14.00



RED STEER FERTILIZERS

Double Mixed, Triple Tested.

6-10-4—Used for lawns and fruit trees.
3-10-10—General garden.
5-6-8—Used for all berries and potatoes.

BRAEGER'S OREGON LAWN and GARDEN FERTILIZER

Oregon Lawn and Garden Fertilizer, composed of bloodmeal, bonemeal, tankage, superphosphate and potash in such proportions as to give maximum results without the danger of burning or temporarily retarding the growth of lawn. No other fertilizer is as safe to handle as Oregon Lawn and Garden, and if judiciously applied, splendid results will be obtained.

On lawns apply evenly 4 to 5 lbs. per 100 square feet. Sprinkle with spray nozzle after applying, to wash fertilizer off the blades of grass.

25-lb. bag 90c; 50-lb. \$1.50; 100-lb. \$2.50
Complete directions on each sack.

Some Hints on the Use of Fertilizer

Modern plant foods are not spaded into the soil like the old-fashioned manures. They are quickly soluble and should not be applied until after the soil has been prepared and then they are placed close to the surface and as near as possible to the plants that are to consume them.

In the vegetable garden plant food may be broadcast at the rate of four pounds to 100 square feet just before the seed is sown. It should then be raked lightly into the soil, so that it is incorporated with the top two or three inches of soil.

Crops that require a long period to mature, such as beets, carrots, melons, parsnips and others, should have another application of plant food five or six weeks after the first; this should be spread on both sides of the row, keeping about three inches away from the plants. If applied just before cultivating, it will mix the plant food with the top soil. The second and subsequent applications may be at the rate of two pounds per 100 square feet.

The best time to apply plant food to established perennial borders is in the early spring when frost is beginning to come out of the ground, and plant growth has not started. At this time there is no danger of burning plant tissues. The plant food may be broadcast at the rate of four pounds to 100 square feet, and it will dissolve in the abundant moisture and penetrate quickly to the roots of the plants.

The soil where annuals are to be sown or planted should be plowed or spaded to a depth of six inches as soon as it can be worked. After the soil has been smoothed a balanced plant food should be applied at the rate of four pounds to 100 square feet, and raked lightly into the top soil. This operation serves the dual purpose of mixing the plant food with the soil, and preparing the surface for seeding, or transplanting.

This initial feeding should be supplemented by an application of plant food eight weeks after seeding, made at the rate of two pounds per 100 square feet.

Cultivation should be done with great care to avoid disturbing the roots of the growing plants.

Some Famous Products of the Ogen Laboratories

*Are you proud of
your roses?*



No other product is so highly recommended by professional rose growers as TRI-OGEN.

In four sizes:

A. Small Kit (makes 16 quarts)	\$1.50
B. Medium Kit (makes 64 quarts)	4.00
C. Large Kit (makes 32 gallons)	6.00
D. Estate Kit (makes 128 gallons)	20.00

To get the full measure of pride and pleasure that comes from growing beautiful roses, do as the world's most famous rose growers do—use TRI-OGEN.

Roses that are permitted to become infected with insects and diseases will lose their strength and will not yield beautiful blooms. Insect pests if not controlled will sap the vitality of the plant. If your roses have the scientific protection of TRI-OGEN, insects nor the dreaded black-spot or mildew will harm them.

TRI-OGEN not only protects roses against fungus diseases and insect pests, but it stimulates vigorous growth and assures healthy green foliage and luxuriant blooms.

TRI-OGEN
Reg. U. S. Pat. Off.
The all-purpose spray

For All Garden Plants FUNGICIDE AND STIMULANT

FUNTROGEN is a highly concentrated fungicide, the performance of which has never been equalled in the control of Black Spot, Mildew and other fungus diseases.

It is not only a superior fungicide, but it is a highly effective plant stimulant as well.

A famous formula of the OGEN Laboratories and Experimental Gardens. The result of which is plant health and vigor, beautiful dark green foliage and amazing blooms.

FUNTROGEN is a complete spray, ready to use when mixed with water to sixty times its volume. When sprayed on the foliage and blooms it is invisible.

PRICES

Half Pint	\$0.75	Half Gallon	\$3.50
Pint	1.25	Gallon	6.00
Quart	2.00		



Funtrogen
FUNGICIDE AND STIMULANT
REG. U. S. PAT. OFF.

Quick and
Sure

Mologen
REG. U. S. PAT. OFF.

Eliminates
moles in two
or three days.

It is easy to use and there is no messy disposal job. It is non-poisonous to birds and pets.

To use Mologen, push small holes in the ridges made by the moles—insert a small quantity of Mologen. The moles are attracted by this chemically treated mole eliminator—they will consume it and will vanish.

Mologen is prepared in powder form and will not injure the grass or soil—it is odorless and emits no gases.

PRICES

1/2 pound	\$.50
1 1/2 pounds	1.25
5 pounds	4.00



A Product of the
OGEN Laboratories
Experimental Gardens

Let KILLOGEN

THE SUPREME
INSECT KILLER SPRAY
Work in your Garden



—it will do wonders for you in the protection of your plants — it will quickly rid your garden of all destructive sucking and eating plant insects and ants.

Being highly concentrated, KILLOGEN is very economical—you use only a small quantity which easily mixes with water for spraying.

Non-poisonous and will not harm the most delicate foliage.

Killogen is an ideal spray for house plants

A 2 1/2 ounce bottle costs only 50 cts. and makes 250 times its quantity when mixed with water.

Killogen
CONCENTRATED INSECT SPRAY
REG. U. S. PAT. OFF. TRADE MARK

A New Scientific DOG, CAT and ANT Repellent & Insecticide

**FUME
ogen**
REG. U. S. PAT. OFF.

For the Home and Garden

There are many uses for FUME OGEN—in the control and elimination of household and garden pests you will find it one of the greatest helps you have ever used.

Pests don't like FUME OGEN. Non-poisonous when used as directed. Packed in convenient powder form in handy shaker can.

PRICE 50 CENTS

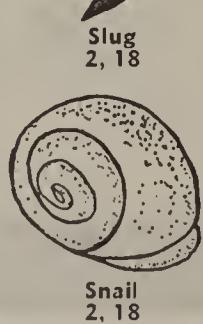
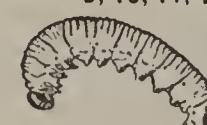
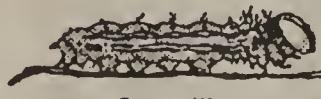
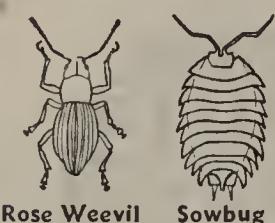
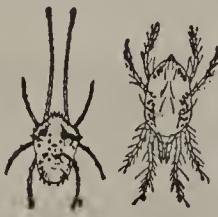
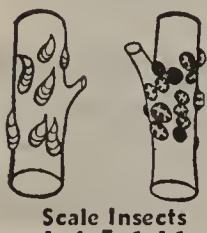
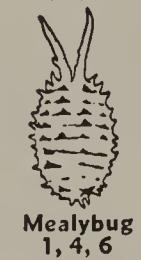
Another OGEN Triumph

ADDRESS ALL ORDERS TO: BRAEGER BROS. OREGON SEED STORE, 140 S. W. YAMHILL AT S. E. CORNER
SECOND AVE., PORTLAND, OREGON — ATWATER 5522
THESE PRICES ARE NOT POSTPAID

A GUIDE TO PEST CONTROL

The most common destructive insects are illustrated below (some greatly enlarged). The numbers indicate the products described on this page that are generally used in their control.

Other pests are mentioned under product names.



ORTHO GARDEN SPRAYS

INSECTICIDES · FUNGICIDES WEED KILLERS



1. Garden VOLCK Spray. The complete Contact Spray used for control of sucking insects, including Aphids, Thrips, Mealybug, Scale, White Fly, Red Spider, Cyclamen Mite, small worms, certain Beetles, Rose Mildew. Garden VOLCK Spray is now the best known all-around garden spray used by home gardeners.

3½-oz. bottle \$.35 1-gallon tin... \$3.00
1-pint bottle.. .85 5-gallon tin....10.00
1-quart bottle 1.25

2. BUG-GETA Meta-Acetaldehyde Bait. A specially prepared Bait that has proved quite effective for attracting and destroying Snails, Slugs, Sowbugs, Pillbugs, Earwigs, Cutworms, Armyworms, and Strawberry Root Weevils.

1-lb. carton ...\$.25 7½-lb. bag... \$1.35
2½-lb. carton .50 30-lb. bag.... 3.75

3. Garden CALTOX. A combination Insecticide and Fungicide for dusting or spraying which has proved remarkably effective for control of Diabrotica Beetle, Flea Beetle and other Beetles; Corn Earworm; Roseslug and other worms; Peach Leaf Curl, Downy Mildew.

6-oz. ctn. (makes 8 to 16 gal. spray) \$.35
1-lb. ctn.....\$.58 3-lb. ctn..... 1.26

4. Nursery VOLCK. The improved VOLCK Oil Spray Emulsion. Long recognized as the best spray for Mealybug, Red Spider, Scale, White Fly. Also recommended as a carrier and spreader for Nicotine, Pyrethrum, Bordeaux, Caltox, Coposil, Lead Arsenate, in combination spray programs.

1-pint tin.....\$.50 1-gallon tin....\$2.00
1-quart tin.... .75 5-gallon tin.... 5.00

5. Garden KLEENUP. The Dormant Oil Spray Emulsion used on dormant deciduous trees and shrubs to kill San Jose Scale, Lecanium Scale, and other overwintering insect pests.

1-qt. tin (makes 6 gallons), each.....\$.50
1-gal. tin, each....\$1.00 5-gal. tin.... 3.00

6. ORTHO Mildew Spray. This new non-poisonous Emulsion shows remarkable fungicidal properties effective against many Powdery Mildews on Rose, Delphinium, Dahlia, Sweet Pea, and other plants. Also kills scale and Red Spiders.

8 oz..... .35 1-gal.\$2.00
1 qt..... \$.75 5-gal. 5.00

7. ORTHO Garden (Flotox) SULPHUR. A Superfine Powdered Sulphur suitable for use as a Dust or as a Liquid Spray to control Powdery Mildew, Apple Scab, Brown Rot, Red Spider, etc.

2-lb. carton....\$.25 5-lb. carton....\$.50

8. INFERNO Flour Sulphur. An all-purpose ground sulphur suitable for burning, dusting or soil treatment.

12½-lb. bag..... \$.75

9. Garden Nicotine TENDUST. A High-Kill Nicotine Dust excellent for killing Aphids, Leafhoppers, and Thrips.

1-lb. tin.....\$.50 5-lb. tin.....\$1.50

10. Garden BOTANO Dust. A high strength Rotenone dust useful in controlling certain Aphids, Thrips, Worms, Beetles, Spittle Bugs on vegetables or other plants where a non-poisonous residue is desired. Packed in new "puffer-duster" carton.

1-lb..... \$.35 4-lb..... \$.75

11. DEADLINE Insect Barrier. A sticky compound which is applied to form a barrier around tree trunks, etc., thereby safeguarding trees, nursery stock, vines, roses, etc., from climbing or crawling pests such as Ants, certain Caterpillars, Cutworms, Fullers Rose Beetle, certain Red Spiders, etc.

6-oz. tin..... \$.35 5-lb. tin.....\$3.00
1-lb. tin..... .65 10-lb. tin..... 5.00

12. ORTHO RODENT DESTROYER. A balanced strichnine-poisoned ration containing Wheat, Barley, Oats, Fruits used to kill Squirrels, Gophers, Rats and Mice. Longer lasting, waterproof, more effective.

6-oz. carton....\$.29 5-lb. carton....\$1.50
1-lb. carton.... .50 25-lb. sack..... 4.50

13. TRIOX WEED KILLER. The improved "Ortho" Weed Killer, used to kill weeds on paths, roads, curbs, tennis courts, parking lots, athletic fields, etc.

1-pt. tin, ea... \$.40 1-gal. tin, ea. \$1.50
1-qt. tin, ea... .60 5-gal. tin, ea. 5.00

14. Garden COPOSIL Fungicide. This neutral, colloidal copper fungicide has proved remarkably safe and effective in controlling certain Blights, Scabs, Mildews, Leafspots, Leaf Curl, etc. Reduces unsightly residue on ornamental plants to a minimum.

8-oz. carton (makes 10 to 20 gallons dilute spray)\$.35

4-lb. bag (makes 80 to 160 gallons dilute spray) 1.00

15. ORTHO Garden BORDO. A powerful Bordeaux Mixture widely used to control fungous diseases such as Peach Curly Leaf, Peach Blight, Pear Scab, Strawberry Rust, Potato Blight.

1-lb. carton.....\$.30 4-lb. bag.....\$.60

16. ORTHO Garden LIME-SULPHUR. A Fungicide-Insecticide, used to control certain fungous diseases, Scale, Red Spider, etc. This is a dry, powdered Lime-Sulphur.

1-lb. tin.....\$.35 5-lb. tin.....\$1.50

17. ORTHO Garden LEAD ARSENATE. Used as a spray or dust to control chewing insects such as Beetles, Caterpillars and Worms. This Basic Form of Lead Arsenate is safer to foliage than ordinary Standard (acid) Lead Arsenate.

1-lb..... \$.35 4-lb. bag.....\$.90

18. ORTHO Garden CALCIUM ARSENATE. A strong stomach poison used in making poisoned baits for the control of Snails, Cutworms, Grasshoppers. Also used to control certain Beetles and Worms.

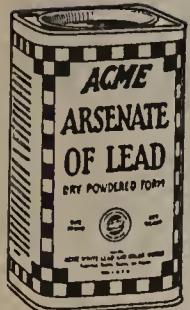
1-lb. carton....\$.25 4-lb. bags.....\$.50

• SCRAM, A Dog Repellant. A powder used around lawns, shrubs, etc., to keep dogs away.

Special Shaker Package..... \$.49

SPRAYING ACME MATERIALS

Insecticides Are Mailable — Prices Subject to Change
Protect Your Plants — Ask for Free Acme Spraying Guide



Acme Arsenate of Lead

The reliable Arsenical Insecticide for the control of chewing insects damaging fruit and shade trees, shrubs and vegetables. Used in the soil for the control of night crawlers injuring lawns.

Safe to use on tender foliage. Used as a spray or dust.

Standard or Basic. Ask for quantity prices.

PRICES:

1/2 lb. 20c 1 lb. 35c 4 lb. 80c



Acme Bordeaux Mixture

The best fungicide known for the control of certain fungous diseases that appear on almost every kind of plant, such as Peach Curly Leaf and Blight, Potato Blight, Mildews, Rusts, Scab, and Leaf Spot.

Repels Leaf Hopper, Flea Beetle and stimulates plants. Prevents fungous diseases from entering injured plant surfaces. Can be used as a pruning paint.

PRICES:

1 lb. 30c 4-lb. bag 60c



Acme Lime Sulfur (Dry)

A dry, powdered Lime Sulfur having all the effectiveness of the liquid form when dissolved in water.

Used as a dormant spray (after the leaves have fallen, or before they appear) in the control of Peach Blight, Leaf Curl, Scale and Twig Borers. Summer spray in the control of Scab, Blotch, Red Spider, and Mites.

PRICES:

1 lb. 30c. 5 lbs. \$1.25. 1 cs. 4-12 1/2-lb. bags, \$4.00



Acme Red River Potato Mix

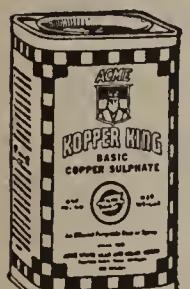
A mixture combining a new patented copper fungicide with quicker-killing arsenic insecticides.

Gives complete protection for potatoes. Kills potato bugs; controls Flea Beetle, Leaf Hopper and Blight. Stimulates foliage. Complete control in one operation—at one cost. Used extensively on tomatoes.

PRICES:

1 lb. 30c 4-lb. bag 85c

(Ask for quantity prices.)



Acme Kopper King

(Basic Copper Sulphate)

An improved Bordeaux fungicide that is neutral and insoluble, requiring no lime to keep it from burning. Contains 52% copper, twice as much as Copper Sulphate (Bluestone). One pound equal to 4 pounds of a 4-4-50 Bordeaux mixture. Can be used as spray or dust.

Used in the control of certain fungous diseases such as Blights, Leaf Spots, Leaf Curl, Rusts, etc. Repels Flea Beetle and Leaf Hopper insects.

Prices: 1 lb. 35c; 4-lb. bag, 85c; 25-lb. bag, \$5.25.

(Ask for quantity prices.)

ACME APHIS SPRAY

Contains one part of Nicotine Sulphate (Black Leaf 40), two parts of Soft Fish Oil Soap.

Controls Aphid (Plant Lice), Thrip, Leaf Hopper and many other sucking and leaf eating insects on roses, flowers, vines, shrubs and trees.

Simple to use—no muss—just add water.



PRICES:

3-oz. tube \$.35
12-oz. can95
2 1/2-lb. can 2.25



ACME DAWG-GONE

A small tube that will keep male dogs from "wetting" on trees, shrubs, display racks.

Easy to use. Just fasten clip on tube (with cap and cork removed) on plant or at point of approach; the odor will slowly escape and give protection.

PRICES:
Each \$.25
Four for95
Per dozen 2.75

ACME ANT KILL

Acme Ant Kill Syrup attracts and kills the ants in the nest, destroying the entire colony.

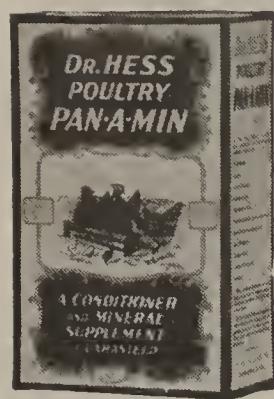
Acme Ant Kill Syrup service cups are safety cups. Safe to use around children, pets and in the home.

PRICES:

Junior Set (2 oz. Syrup, 2 Cups)	\$.35
Cottage Set (3 oz. Syrup, 5 Cups) .....	.60
Service Cup, each .....	.10
3 for 25c. Dozen .....	.90
2 oz. Syrup .....	.20
3 oz. Syrup .....	.25
1/2 pint Syrup .....	.50
1 pint Syrup .....	.75



DR. HESS STOCK AND POULTRY PREPARATIONS



DR. HESS POULTRY PAN-A-MIN

Pan-A-Min has been known to poultry raisers for more than 30 years as Dr. Hess Poultry Pan-a-ce-a.

It is now a greatly improved product. More minerals have been added. It contains new medicinal ingredients and other active ingredients in different proportions.

Pan-A-Min is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health.

It does not take the place of feed and no feed can take the place of Pan-A-Min. The cost is less than a penny per hen per month.

1 1/2 lb. (10 Hens).....	\$.25	15 lbs. (90 Hens).....	\$2.00
3 lbs. (20 Hens).....	.50	25 lbs. (150 Hens).....	3.00
7 lbs. (40 Hens).....	1.00		Postage extra.

DR. HESS WORM POWDER

Worming simplified! Add Dr. Hess Worm Powder to the mash you are now feeding according to directions. Feed:

50 Bird size	\$.50
100 Bird size .....	.90
250 Bird size	1.90
500 Bird size	3.00

Postage extra.



DR. HESS POULTRY TABLETS

While there is no absolute cure for roup, Dr. Hess Poultry Tablets are of high value in treating locally the swellings incident to the disease.

The tablets are used as a local antiseptic and to medicate the drinking water. Thus used, they aid in preventing spread of the disease. Once the tablets are in solution, they remain so permanently. The water is evenly medicated and requires no further stirring.

Pkg. 45 Tablets.....	\$.25	225 Tablets.....	\$1.00
100 Tablets.....	\$.50		Postage extra.

DR. HESS CHICK TABLETS

Most diarrhoea conditions in chicks, often mistaken for bacillary white diarrhoea, are the result of improper feeding or brooding, and can be corrected by Dr. Hess Chick Tablets. These tablets are a bowel astringent to be given in drinking water.

Pkg. 45 Tablets.....	\$.25	225 Tablets.....	\$1.00
100 Tablets.....	\$.50		Postage extra.

Planet Jr. Garden Tools

No. 11 Double and Single Wheel Hoe
\$14.50



Equipment is complete, with one pair 6-inch and one pair 4 1/2-inch hoes for weeding and shallow cultivation, 4 cultivator teeth for deeper and general cultivation, 1 pair plows for plowing, covering and ridging, 2 3-tooth and 2 5-tooth rakes for fine close work, a pair of leaf lifters which lifts the leaves and vines out of way when plants are more fully grown. Frame is adjustable for rows of different width.

No. 12—Identical to No. 11 except the pair of 4 1/2-inch hoes and rakes. Price, \$11.50.

No. 13—Identical to No. 11. Equipment, one pair 6-inch hoes. \$8.75.

DR. HESS STOCK TONIC

This product has been serving the dairy interests of the country for upwards of 35 years.

The Tonic has been recently improved in keeping with latest scientific discoveries and feeding practices. All the minerals proved necessary to the heavy producing dairy cow have been added. This conditioner and mineral supplement whets the appetite, sustains the milk flow well through the lactation period and is a valuable aid in calving.

3 lb. Pkg.....	50c	15 lb. Pkg.....	\$2.00
5 lb. Pkg.....	.75c	25 lb. Pkg.....	3.00

Postage extra.



DR. HESS HOG SPECIAL

A Conditioner and Mineral Supplement for Hogs Only

Dr. Hess Hog Special is an appetizer, laxative and diuretic—also a perfectly balanced mineral supplement. It supplies, in all-sufficient quantities, every mineral necessary to the hog's growth and thrift.

The cost of using Hog Special is only 12 1/2 cents per pig per month.

3 lb. Pkg.....	\$.50	15 lb. Pkg.....	\$2.00
7 lb. Pkg.....	1.00	25 lb. Pkg.....	3.00

Postage extra.



DR. HESS DIP AND DISINFECTANT

A dip that makes a perfect milk-white emulsion—never any streaks or settling. Remains in emulsion indefinitely. It is a standardized product with an established carbolic acid co-efficient; always uniform in strength, no matter where purchased.

Because of its strength, its uniformity, its perfect emulsifying qualities, with its germ and insect killing powers, it is a most inexpensive dip to use. Valuable about barns and stables—kills hog lice and other parasites and keeps down foul odors.

12 ounce bottle.....	\$.35	1/2 gallon	\$.90
1/4 gallon .....	.60	1 gallon	1.50

Postage extra.

DR. HESS INSTANT LOUSE KILLER

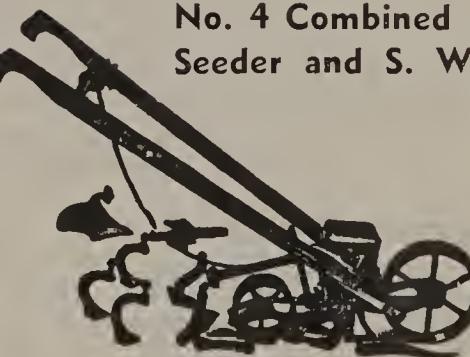
Kills lice on stock and poultry. Easily applied by putting in dust bath. Hens work it down into the feathers where the lice are. It kills lice on contact. It is also applied directly to the fowl if badly infested.

Kills lice and bugs on cucumber, squash and melon vines, slugs on rose bushes. It is non-poisonous, so may be used on edible plants with entire safety. Comes in handy sifting top cans.

1 lb. Pkg.....	25c	2 1/2 lb. Pkg.....	50c
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Postage extra.

WRITE OR CALL FOR BOOKLET SHOWING ALL PLANET JR. GARDEN EQUIPMENT



No. 4 Combined Hill and Drill Seeder and S. W. H., \$18.75

Equipment is complete, with one pair 6-inch and one pair 4 1/2-inch hoes for weeding and shallow cultivation, 4 cultivator teeth for deeper and general cultivation, 1 pair plows for plowing, covering and ridging, 2 3-tooth and 2 5-tooth rakes for fine close work, a pair of leaf lifters which lifts the leaves and vines out of way when plants are more fully grown. Frame is adjustable for rows of different width.

No. 12—Identical to No. 11 except the pair of 4 1/2-inch hoes and rakes. Price, \$11.50.

The No. 4 is a combination of the most useful tools for home garden. Plants almost all vegetable seed in continuous rows or hills, 4, 6, 8, 12, 24 inches apart. Plow adjustable for depth opens straight, narrow furrow, the seeds are dropped in it, covered and the soil firmed and the next row marked out in same operation. Converted into a single wheel hoe by changing one bolt.

No. 3—Similar seeder without extra equipment. Price, \$18.00.

No. 119—High wheel hoe of excellent quality. Equipment includes large plow, scuffle blade and three cultivator teeth. Price, \$3.85.

No. 119-W—Identical to 119 except it has 5-prong cultivator attachment instead of scuffle blade. Price, \$4.25.

LEEWAY POULTRY REMEDIES

GERMOZONE

It pays to guard against crop, digestive and bowel disorders that are so common in poultry. Many of those expensive troubles can be avoided by the regular use of Germozone in the drinking water three times a week. Two teaspoonfuls to the quart.

Germzone is different from tablets and ordinary disinfectants that work only in the water. Germozone disinfects the drinking water and works in the crop, too. That is what makes it so much better. Germozone is germicidal against germs with which it comes in contact—first in the water and then in the crop. And, third, because of its astringent action back in the intestine, it is good for diarrhoea and bowel troubles that result so often from improper feed.

PRICES:

4 oz. bottle.....	\$.40
12 oz. bottle.....	.75
32 oz. bottle.....	1.50
1/2 gallon	2.50
1 gallon	4.50

Postage extra.



LEEMULSION AND VAPO-SPRAY



Diseases of the air passages are often dangerous and expensive. They often spread rapidly through a flock. When birds have colds, sneeze or cough, wheeze or gasp, act quickly. Give all the birds epsom salts. Then give them either Leemulsion in soaked grain or mash, or spray them several times a day with Vapo-Spray. In severe cases it is advisable to use both. For more about these diseases and about how Leemulsion and Vapo-Spray work and just how they should be used, see the free Leeway Poultry Book.

LEEMULSION

12 oz.	\$ 1.00
32 oz.	2.00
1/2 gallon	3.50
1 gallon	6.50

VAPO-SPRAY

1 quart	\$.75
1/2 gallon	1.25
1 gallon	2.00

THE GIZZARD CAPSULE

Most wormy birds have two or three kinds of worms. If they have Large Tapes and Pins they should not be wormed for only Rounds. The Gizzard Capsule is for all three kinds, Large Round, Large Tape and Pin Worms.

Because the Gizzard Capsule coating is insoluble it won't dissolve or melt in crop or stomach. This avoids any chemical action, between the medicine and the foods and liquids there, to weaken the medicine. The proper dose, full strength, fresh, undiluted and unweakened, is delivered right into the gizzard without any previous absorption of any of it by the bird to sicken it. There the capsule is crushed like a grain of corn and the medicine passes directly into the intestine and to the worms.

Nothing else can give you these advantages of the Gizzard Capsule. That is why over one hundred million birds have been wormed with it. Worm your poultry with it — chickens and turkeys.



Prices:

10-Capsule pkg.	\$.15
50-Capsule pkg. ....	.75
100-Capsule pkg.	1.25

Adult	Pullet	Chick
\$.10	\$.10	\$.10
.50	.50	.40
1.00	1.00	.75

FOR LICE AND MITES

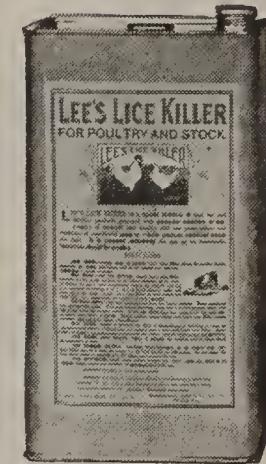
For control of body lice on chickens, paint Lee's Lice Killer on roosts and dropping boards if the roosts are not over 4 inches above the dropping boards.

For poultry house mites dilute Lee's Lice Killer with equal amount of fuel oil or crankcase oil or use it full strength, and spray it liberally into all cracks, crevices and joints of walls, roosting places and nest boxes.

For dusting setting hens or an occasional bird, and for chicks over six weeks of age, use Lee's Louse Powder. Contains an unusually high percentage of active ingredients; just enough talc to keep it from being too concentrated.

LEE'S LICE KILLER

1 quart	\$.60
1/2 gallon .....	.90
1 gallon	1.50



LEEWAY POULTRY BOOK—1939 EDITION FREE

(Call or send for your copy.)



Jamesway Poultry Supplies

We now carry a complete line of Jamesway feeders, waterers and other poultry necessities. See us for your needs.

DON SUNG MAKES HENS LAY

We guarantee you more eggs or no pay. "Hens won't lay in fall and winter," used to be accepted as a fact. But anyone who has tried Don Sung knows that hens will lay right through the zero spells of winter, and all other cold or wet seasons. Some may doubt this—and you may be one of them. But if you don't at least try Don Sung, you are missing some sure, easy profits from extra eggs.

Costs nothing to try. Give Don Sung to 15 hens for 30 days. If it doesn't show you a big increase in eggs; if it doesn't pay for itself and a good profit, your money will be promptly refunded. Prices: Trial size, 50c; large size, \$1.00 (holds three times the 50c size); special size (six times the \$1.00 size), \$5.00.

B-K DISINFECTANT POWDER

B-K destroys the germs that cause losses and disease in livestock and poultry, and the bacteria that contaminate dairy products, foods, etc. B-K contains no poison nor acid, yet is more than 10 times more effective as a germicide than undiluted crude carbolic acid.

Small (9 1/2 oz.) 75c. Large (1 3/4 lb.) \$1.50.



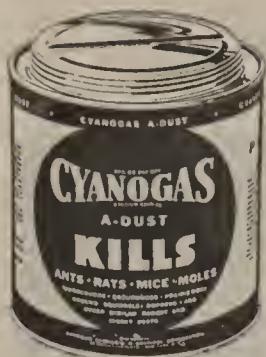
BAG BALM

For teat and udder ills and all farm healing, Bag Balm combines the virtues of a refined, medicated ointment with an exclusive, liniment-like oil that penetrates and promotes quick healing. Dairymen testify to Bag Balm results in treating Caked Bag, Sore Teats, Bunches, Chaps, Cuts, Inflammation and common ills and injuries. Eliminates discomfort, often between milkings. Cannot taint the milk. Big 10 ounce package, 60c.



WALKO TABLETS

Used by thousands for baby chicks, turkeys, ducks or geese. Simply put in drinking water and protect your flock against bowel disorders. Also used for roup, catarrh, sneezing and wheezing. 50c and \$1.00 boxes.



CYANOGENS A.

One of the best means of killing moles, gophers, bees, etc. Full directions included. 8 oz. 45c; 16 oz. 75c; 5 lb. \$2.50.

Cyanogas G. Used in greenhouses. 5 lb. \$3.00.

CORROSIVE SUBLIMATE

Used for treating grain, potatoes, and turf. Price, 4 oz. 75c; 16 oz. \$2.15.

NAPTHALENE

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphis, etc. Safest, most powerful insect repellent that can be used in quantities at low price. In granulated form with strong odor like moth balls. Price, 15c lb.; 2 lbs. 25c. Write for price on quantities.

NEW EVER GREEN SPRAY

SIMPLY MIX WITH WATER AND SPRAY
1 oz. 35c; 6 oz. \$1.00

Is a liquid spray. This provides an easy way to kill garden insects and ants. Its deadly pyrethrum content kills a wide range of insects that eat leaves, destroy blossoms, or suck sap. This is non-poisonous to man or animal and will not injure the tenderest blossoms.

FORMALDEHYDE

Used extensively for treating grain, potatoes, bulbs. Directions on bottle. Price, pint, 50c; quart, 90c.

SURE DEATH GAS BALLS

A new product of real merit to eradicate ground squirrels, gophers and moles. These Gas Balls are lighted and put into the burrow where they produce a deadly gas. They are non-explosive and easy to handle. Full directions with each order. Price, 40c doz.; 50c doz. postpaid.

Cartridge Form Rodent Destroyer. Used similar to Gas Balls. Simply light fuse. Price, 75c per doz.; 85c doz. postpaid.

GRAFTING WAX

We stock the best available. Price, 1/4 lb. 15c; 1/2 lb. 30c; 1 lb. 50c.



Absolute protection against Root Maggot on kale, cabbage and cauliflower. Price, 24, 10c; 72, 25c; 144, 45c; 500, \$1.25; 1000, \$1.95.

LIME AND SULPHUR SOLUTION

Liquid 1 to 9 parts of water. Prices: Quart, 30c; gal. 75c; 5 gal. \$2.25; 50 gal., write for price.

MAGOTITE It is a non-poisonous preparation for the control of Root Maggot on brussel sprouts, cabbage, cauliflower, kale, broccoli, onions, radishes, turnips rutabagas and other vegetables. Price, 1 1/2 lbs. 25c; 5 lbs. 50c.

RATNIP

Most effective rat poison known. Price, 35c tube, 40c postpaid.

ROOTONE

Newest hormone development. Rootone is plant hormones in powder form. Completely eliminates mixing and danger of burning plant tissues. Simply dip end of cutting in Rootone and plant. Avoid poor germination in flower and vegetable seed by dusting with Rootone. Price, 2-oz. jar, \$1.00; 16-oz. jar, \$5.00.

SEMESAN

Used for disinfecting, seeds, bulbs, etc. 2 oz. 35c; 16 oz. \$2.25.

Ceresan. Disinfectant for wheat, oats, and barley. 16 oz. 75c.

Semesan Bel. Seed potatoes. 4 oz. 45c; 16 oz. \$1.65.

Semesan Jr. Seed corn. 4 oz. 35c; 16 oz. \$1.00.



NEW SNAROL

Quickly destroys cut worms, sowbugs, earwigs, grasshoppers, snails and slugs. Sprinkle Snarol around and under plants, insuring them against destruction. Rain does not affect it. Price, 1 lb. 25c; 2 1/2 lbs. 50c; 10 lbs. \$1.75.



TOBACCO DUST

Finely ground is a very effective weapon against aphis and lice on plants. Is a splendid fertilizer also and preventative for insects in the ground and around roots. Prices not prepaid: 1 lb. 15c; 10 lbs. \$1.25.



KER-O-KIL WEED BURNERS

Practical kerosene burners to kill weeds, disinfect poultry houses, burn stumps, and a host of other uses. Prices, \$15.00 and up.

Sprayer attachments, \$1.50 extra.

KER-O-KIL MFG. CO.
338 BRANNAN ST.
SAN FRANCISCO, CALIF.

Write or call
for Pamphlet.



Fastest method to apply fertilizer to your lawn. Price, \$1 ea.



Specially designed to give you everything you want in a garden glove.

All-Leather DIRT-PROOF Durable
SOFT AS KID Easy to Wear WASHABLE

Being all-leather, Eezy Wear gloves give complete protection against dirt, scratches, bruises, stains, infection. Yet their amazing softness and pliability, the result of a special processing, make them extra comfortable. Cling to the hands and practically give you BAREHAND FREEDOM.

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for GARAGE, HOUSEWORK, PAINTING, YARD, FURNACE, ETC. Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). A real value at 75 cents a pair, postpaid. (2 pairs. \$1.40.)

LOWELL SPRAYERS

ADD POSTAGE IF WANTED BY MAIL

PENNANT

New open top construction; 4-point cam cover lock; long stroke piston pump. Tested to 100 lbs. Capacity 4 gal.

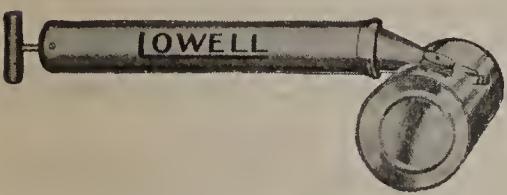
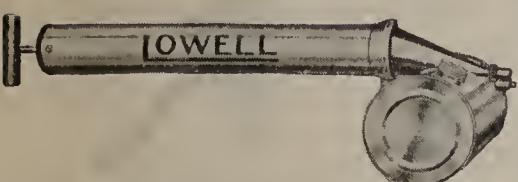
Price \$6.00



STREAMER

Similar to Pennant. Capacity 3 1/2 gallons.

Price \$5.50



No. 208—Tin continuous Sprayer. Well built. 85c.

No. 206G—Glass continuous. Price \$1.40.

No. 235—Ideal. Good value. 1 qt. cap. 50c.

No. 240—Handy gardener. Tin. 1 qt. 40c.

No. 255—Ideal Jr. 1 pt. Price 35c.

CONTENDER

Easy to fill funnel top. Brass pump. Capacity 3 1/4 gallons.

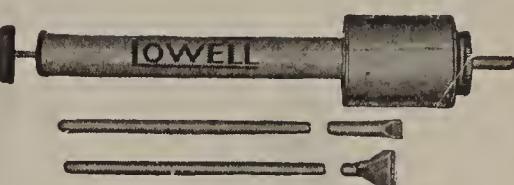
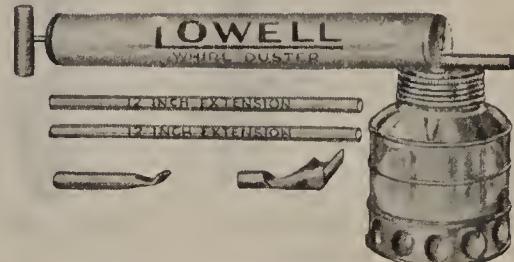
Price \$4.50



FLASH

Smaller than Contender. Capacity 2 1/4 gallons.

Price \$4.00



No. 415—Whirl duster. Glass container. Sure to work. \$1.25.

No. 465—Warrior. All metal duster that gives satisfaction.

Other Dusters from 20c.



The Arnold Garden Hose Insecticide Sprayer is a special mixing and spraying device which is attached to your garden hose in place of the regular nozzle. The complete sprayer consists of a non-leak shut-off, a non-breakable, transparent cartridge chamber and 12-inch angle spraying nozzle. Used with the various Arnold Insecticide Cartridges it provides a uniformly mixed, adequate spray—which effectively controls fungus growths, plant diseases and both sucking and chewing insects.

Arnold Soluble Insecticide and Fertilizer Cartridges fit the cartridge chamber. As water in the hose passes through the chamber under pressure the cartridge contained therein is dissolved, a little at a time, but in sufficient quantity to provide the correct control solution which is forced out of the nozzle in the form of a fine, cloud-like spray.

PRICES:

Arnold Sprayer Complete with Cartridges.....\$5.25
Cartridges.....35c, 3 for \$1.00

Arsenate of Lead, Bordeaux Mixture, Colloidal Sulphur, Nicotine. P-R Cartridges—Pyrethrum, Rotenone.

Insecticides and Supplies



For use in the control of Mealy Bug, Green Aphis, Red Spider, Roseworm, Plant Lice, Psylla, White Fly, and many other pests.

1/2-pint cans, makes 6 gallons, each.....\$.35
1-quart cans, make 25 gallons, each.....1.25
5-gallon cans, makes 500 gallons, each.....10.00



ANTROL

Antrol is the simplest, most effective way of exterminating ants from your home or garden. Destroys the queen and the whole colony.

Ready-filled sets, 4 feeders, 40c.

Antrol Sets, regular, 4 glass containers and 4-oz. bottle of syrup, 65c set.

Antrol Syrup refills, 4 oz. 20c; pint, 50c; quart, 90c.

ATLACIDE

One of the most effective spray weed killers known. Kills all types of weeds and grasses. Prices on application.

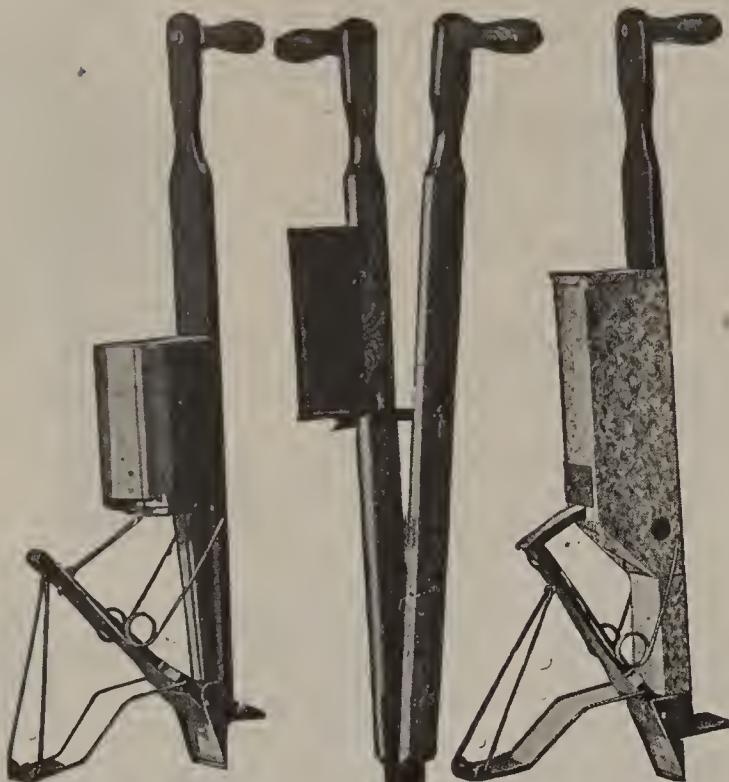
BLACK LEAF 40

Nicotine Sulphate is a contact spray to kill green and woolly aphis, plant lice, red spiders, cabbage aphis, onion thrips. Is very effective for use on sweet peas and roses. It is also very efficient for poultry lice control at any season of the year. Is easily applied and quite economical. Prices not prepaid: 1 oz. 35c; 5 ozs. \$1.00; 1 lb. \$2.25; 2 lbs. \$3.25; 5 lbs. \$5.85; 10 lbs. \$10.60.

AUXILIN

Miracle root grower for cuttings. The use of Auxilin will greatly shorten the time necessary to root cuttings or "slips". Small size, will treat up to 600 "slips".....\$.50
Larger size, will treat up to 1800 "slips".....1.00

HAND CORN PLANTERS



Acme Rotary
\$3.00 each

Acme Slide
\$1.25 each

Segment
\$2.40 each

HAND POTATO PLANTERS



Wire Tube

Pingree

WIRE TUBE POTATO PLANTER

The lightest strong planter; the strongest light planter. Is all steel. Wind resistance reduced to minimum. Cannot clog and fail to plant. Sharp jaws enter as easily as a spade. Weight, each, 6 lbs. Each \$1.85.

SOLID TUBE POTATO PLANTER

Has galvanized iron taper conveying tube, largest at bottom. Jaws of crucible steel, polished and self-locking, step for forcing jaws into the soil. Handle well braced and smooth. Each \$2.00.

PINGREE POTATO PLANTER

Similar to the tubular, but has no tube. You lift the planter up to drop in the potato. Parcel post weight 5 lbs. Each \$1.25.



THE HORN SEED SOWER

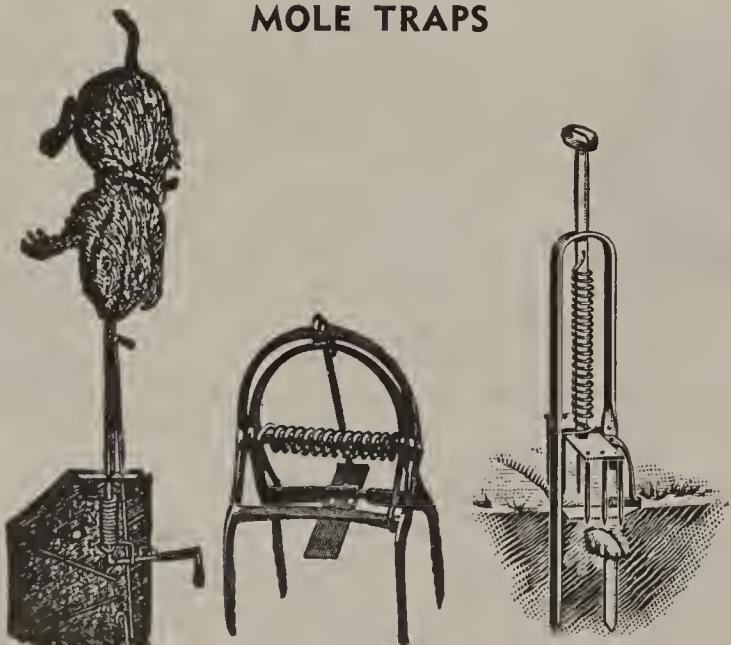
Will sow 40 to 60 acres per day of alfalfa, clover, timothy, millet, etc. Spread seed evenly from 30 to 40 feet. Price \$1.00.



CYCLONE

Sows any kind of seed perfectly even over the ground at rate of 50 acres a day any amount desired per acre. Saves seed—soon saves its cost. Weight 8 lbs. Price \$2.50.

MOLE TRAPS



Cinch Special

Out-o'-Sight

Reddick

REDDICK—Tinned steel frame, japanned steel coil spring; six steel prongs. 5 inches long. Each \$1.00.

CINCH SPECIAL—A safe and successful device for catching moles. Easy to operate. Each 50c.

OUT-O'-SIGHT—Malleable iron, japanned; steel lever. Directions for setting and full explanation of the mole's habits furnished with each trap. Each \$1.25.



BRANDT'S ALL-METAL MARKERS AND TAGS

Permanent and Legible

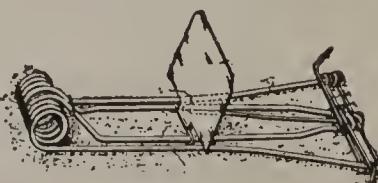
B-200	Metal Marking Fluid.....	20c
B-201	.....	3 for 10c
B-202	Marker with inserts, each.....	05c
B-203	Smaller than 202.....	4 for 15c
B-204	Inserts for 203.....	8 for 05c
B-205	Inserts for 202.....	6 for 05c
B-206	Metal Tags, 2 3/10 in. long.....	4 for 05c
B-207	Metal Tags, 3 1/4 in. long.....	3 for 05c
B-208	Pen Holder with point.....	10c
B-209	Tag with holder.....	3 for 10c
B-210	.....	3 for 10c
B-211	Slightly smaller	3 for 10c

NEWEST MOLE TRAP

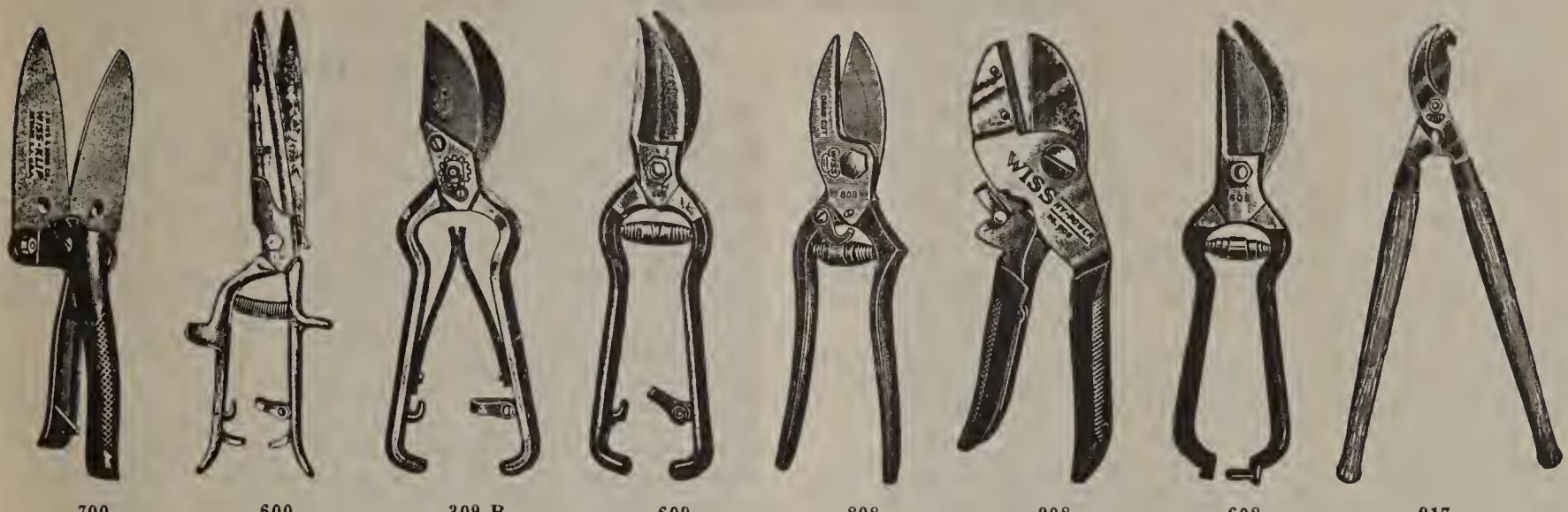
THE ACME—Full directions included.
Price \$2.00.



MACABEE—Made of coppered steel wire, painted. Each 25c.



WISS GARDEN SHEARS



700

600

309-B

609

808

908

608

917

No. 700—These new style 'Wiss-Clipper' Grass Shears are equipped with adjusting nuts and swinging shackle which enables the blades to be spread apart for resharpening. Handles are curved to fit the hand. Price \$1.50.

No. 600—Extra fine cutlery steel blades. Offset handles prevent striking knuckles when trimming close to walls, pavements, etc. Price \$1.50.

No. 309-B—Drop forged hardened and tempered. Brass leaf spring, castellated nut and catch, full polished finish, interchangeable blades forged extra thin. Price \$3.30.

No. 609—Volute spring, Japan handles. Made to meet the demand for a high quality solid steel pruner at a medium price. Powerful, strong and durable. Price \$1.65.

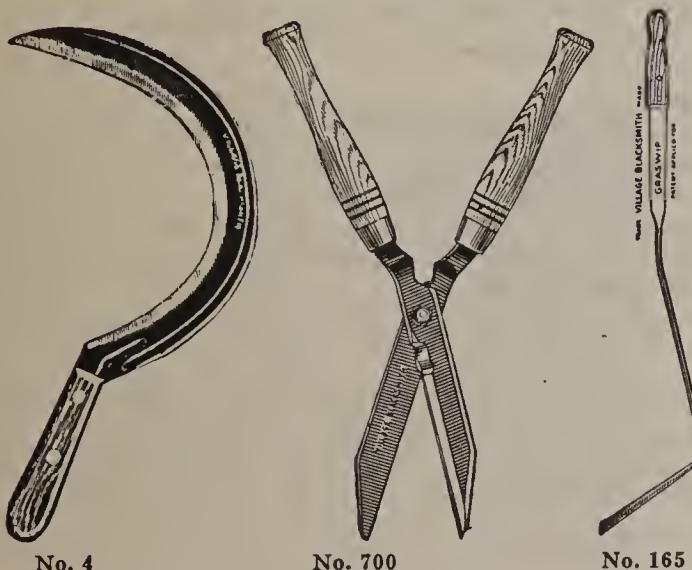
No. 808—Solid scissor blade steel. Volute spring. Gun metal handles, polished blades. Gives increased leverage. Open end handles and new style lock. Hardened bolt and nut. Price \$2.65.

No. 908—The easiest cutting pruner of its size. A new, effortless cutting action that simplifies pruning. The thin, keen, knife blade of the No. 908 Hy-Power Pruner cuts through the wood with a smooth draw-cut action on to the soft bronze anvil with an ease and smoothness almost incredible. Price \$2.20.

No. 608—A very serviceable well-made solid steel pruner at a low price. Will do excellent work. Volute spring and catch. Solid steel. Red handles. Price \$1.40.

No. 917—Drop forged cutlery steel hardened and tempered. Ideal for pruning around rose bushes, briars, etc., without scratching the hands. The long handles are invaluable for pruning high ramblers or low bushes. Complete with notch for easily removing cut pieces. Price \$1.65.

Village Blacksmith Products



No. 4

No. 700

No. 165

No. 4—German pattern, wide grind, thin and sharp. Price 60c. Others from 35c.

No. 600—High quality shear. Hollow ground, 6-inch blade. Each \$1.25.

No. 700—Illustrated. Notched for cutting small limbs. 7-inch blades. Price \$1.50.

No. 800—Notched. 8-inch blades. Price \$1.75.

TRIM SNIPS—The finest in hedge shears. Steel extends the full length and width of handles. Price, 6-in. blade (not notched) \$1.75; 7-in. blade, \$2.25; 8-in. blade, \$2.75.

No. 165—Cuts grass rapidly by forward and backward swing like a golf club. Highest quality. Detachable blade. Price \$1.25.

No. 10—Good quality grassswip. Price 75c.

SIMPLEX—Heads are of best grade malleable iron, smoothly machined, and attractively painted. Handles are 42-inch clear fir, triple coated in natural enamel. Each \$1.00.



HAVILL—Steel fork, 2½ inches long; brass ferrule; 7-inch handle with knob to protect the hand. Price 40c.



PLANET JR. LIFETIME TROWEL

At least one Lifetime Trowel should be among everyone's garden equipment. The steel is light weight but very hard and will wear far longer than the ordinary trowel.

The neck is especially designed and welded and guaranteed never to bend or break. Each 60c (70c postpaid).

BULB TROWEL LIFETIME PLANET JR.

For transplanting or for planting bulbs or plants nothing is quite as good as this slim, sharp little trowel which slides so easily into the ground. The neck which is usually the weakest point is here the strongest. The handle is fastened in with a pin and can't come out. Each 60c (70c postpaid).



PLANET JR. LIFETIME WEEDER

You can lay aside all the little hand cultivators and weeders you have ever used once you try this efficient little tool. You can scratch around even the smallest and tenderest plant, weeding and cultivating at the same time. The saw-teeth drag out the weeds or cut them off at the roots. Each 60c (70c postpaid).

Oregon L & G Fertilizer

To make your fertilizer dollar go farther, try Oregon L & G this year. You will be well pleased.

25 lbs. 90c; 50 lbs. \$1.50; 100 lbs. \$2.50.

SPRATT'S DOG BISCUIT FOODS

ADD POSTAGE ON ALL DOG FOODS IF WANTED BY MAIL.

For 75 years the best-known dog foods in the world. Contain "Meat-Fibrine"—wholesome meat baked into the biscuits. A complete, well-balanced food for all breeds of dogs.

Spix Dog Biscuits. The bone-size biscuits for all dogs. Convenient shape, easy for the dog to grasp. Ideal for all medium and small breeds. (For large breeds see Dog Cakes, large, square biscuits.) Per lb. 15c; 3 for 40c.

Fibo. Granulated food (about the size of peas). For dogs of all ages, breeds or condition of health. Contains pure yolk of egg in addition to meat. Very nourishing and appetizing. Per lb. 20c; 2 for 35c.

Ovals. Small oval biscuits. Wonderful for all breeds, especially small dogs. Contain plenty of meat; crunchy and satisfying. Convenient to carry in your pocket when on a walk with your dog. Per lb. 15c; 3 for 40c.

Charcoal Ovals. Same as Ovals with pure Charcoal added—black in color. Absorb intestinal gases and impurities, wonderful safeguard against intestinal and stomach ailments. Every dog should have two full meals of these each week; meat-fed dogs even oftener. Per lb. 15c; 3 for 40c.

Challenge Terrior Dog Food. Granulated food about the size of peas. Excellent for all breeds—can be fed dry or mixed with vegetables, etc. Lower in price but of full nutritional value. Per lb. 12½c.

Dog Cakes. Large, square cakes; the staple diet for the large and medium breeds. Should be fed dry. Per lb. 15c; 3 for 40c.

Cat Food. A granulated food for all cats. Contains meat, fish and milk—a well-balanced and complete food. Can be fed dry or mixed with meat, sardine oil, etc. Bulk, 15c per lb.; 3 for 40c.

PUPPY FOODS

Puppilac. A full cream powder, for feeding very young puppies, hand-feeding orphans, etc. Can be fed from birth until weaning time. Richer than cow's milk, the ideal substitute for the mother-dog's natural milk. 10-oz. tin 50c; bulk, 50c lb.

Pepsinated Puppy Meal. For feeding young puppies before and after weaning. Contains pure pepsin, extremely assimilative. 12-oz. tin 35c.

Puppy Meal. The standard weaning food. For feeding puppies until old enough to eat more solid food. Bulk, 2 lbs. 25c.

We handle complete line of Dog Sweaters, Dishes, Strippers and Combs, Playthings, Baskets, Leashes, Collars, Muzzles, etc. ALSO such well known REMEDIES as Delcreo, Sargent's, Glover's, and Puvex.

DOG SUPPLIES

Chexmate. Wonderful aid when your bitch is in season. Exercise her without embarrassment. Bottle, 75c.

Flea Powder. In shaker-top tins. Highly effective for ridding your pets of fleas (non-poisonous). 10c and 30c per tin.

Dog Soap (White). The ideal soap for the dog's bath. Produces beautiful glossy coat, leaving skin clean. Non-poisonous—but will kill fleas. 25c per bar.

Flea Soap (Black). To be used when the dog is much bothered by fleas. Healing and disinfecting. Lathers freely, cleans thoroughly, kills fleas. 30c per bar.

Liquid Shampoo. For those who prefer a liquid soap for the dog's bath. 30c per bottle.

Dry Cleaning Powder. For dry-cleaning all dogs. To be sprinkled well into the coat and then brushed out—it takes all particles of dirt with it, leaving dog clean. 30c per tin.

Catnip Leaves. Choice catnip leaves and tops. 10c per pkg.

Catnip Mouse. A cloth mouse filled with catnip. 10c each.

BIRD FOODS

Roller Canary Mixture. The best mixture of imported seeds obtainable, also contains fruit flakes and egg. The ideal diet for canaries. 25c pkg.

Mixed Bird Seed. A combination of recleaned seeds for all canaries. The standard daily diet. Air-washed and free from all dirt and chaff. 15c per pkg.

Parrot Mixture. A mixture of food for all parrots; clean and wholesome. 25c per pkg.

Love Bird Mixture. A special mixture of seeds required for lovebirds and parrakeets. 25c per pkg.

Bird Gravel. For all cagebirds. Carefully selected white gravel of uniform grade. 10c per 2-lb. pkg.

Cod Liver Oil Nestling Food. For feeding young birds and for all canaries and other cage birds the year around, as a change. Stamina-building, bone-making. 15c and 25c per pkg.

Moultting Food. For the moultting season. A wonderful feather producer. 10c and 25c per pkg.

Sing Song. A treat and tonic food for all songsters. In tins to fasten to the cage. 10c per tin.

Song Restorer. Invigorating tonic food for canaries. Stimulates song. Can be used the year around with wonderful results. 10c and 25c per tin.

Ants Eggs. For soft-billed birds and also for Goldfish, Turtles, etc. 10c per pkg.

Silvertone Pick-me-up. Famous old English food for canaries. A treat and tonic food of great value. 25c per tin.

Bird Tonic. To be put in the bird's drinking water. A general tonic, for loss of song, hard breathing, moultting period, etc. 10c and 25c per bottle.

Bird Lice Destroyer. A lice powder to be dusted into the bird's feathers. In bellows. 25c each.

IMPORTANT ORDERING SUGGESTIONS

FREE TRANSPORTATION ON ALL FLOWER AND VEGETABLE SEEDS UP TO AND INCLUDING 10 LBS.

All seeds quoted in this catalog are now shipped by Parcel Post, all transportation and packing charges paid by us. C.O.D. and money order return fees are not considered as transportation charges and, therefore, must be paid for by the customer. Avoid them by sending remittance with order. Bulk seeds, such as Peas, Beans and Corn, in large quantities, are shipped to your nearest express or freight office, transportation collect. If you wish them shipped by Parcel Post, please send necessary postage. We do not ship nursery stock C.O.D. Remittance should accompany order.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

SEND MONEY. Remittances should always accompany the order. Remittances may be made at our risk by any of the following methods (1st and best) Post Office Order; (2nd) Bank

Draft; (3rd) Express Company Money Order; (4th) Cash by Express in amounts not less than \$50; (5th) Registered Letters. We also accept stamps in payment but the Postal Department asks us to discourage their use.

AN ORDER BLANK is in this catalog for your convenience. Print or write your Name, Post Office, County, and State plainly. If you have moved, give us your old address and we will change our mailing list.

WE GUARANTEE the safe arrival of your order.

NON-WARRANTY. Contingencies continually arising prevent the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop.



Zinnia—Gaillardia Flowered (Navajo) Mixed

A new type of Zinnia that is different from all others. Double and semi-double flowers of medium size with long narrow petals, some of which are incurved and fluted. Each petal is tipped with creamy white or creamy yellow for almost one-third of the petal which makes it most unusual and attractive. The colors are lilac, lavender, russet, crimson orange, yellow, pink and other pastel shades. **Pkt. 10c.**



New Ageratum—Fairy Pink

A new dwarf Ageratum, Fairy Pink. As this new Ageratum grows but 5 inches high, it is well suited for borders, rockery, or for pot plants. Its soft salmon-rose pink blooms appear when not more than 1½ to 2 inches high, and blooms until frost. **Pkt. 25c.**



Morning Glory—Scarlett O'Hara

Gold Medal, All-America Selections 1939

The long awaited Scarlett O'Hara is at last ready for presentation to awaiting garden world. Scarlett O'Hara is an entirely new color in this popular garden flower, being a rich dark wine red or deep rosy crimson. The flowers are of good size, about 4 inches in diameter, produced on fast-growing vines, which start blooming within 65 days after sowing. Splendid for covering a fence or trellis. **Pkt. 25c.**



Phlox Gigantea—Salmon Glory

Silver Medal, All-America Selections 1939

One of the outstanding novelties for 1939. The individual florets of Salmon Glory are large, measuring from 1¼ to 1½ inches in diameter. The pure salmon pink, with a distinct creamy-white eye, has a clean, crisp appearance that is truly beautiful. You will not be disappointed in Salmon Glory. **Pkt. 25c.**



Oregon L. & G. Fertilizer

Oregon L. & G. Fertilizer, composed of blood and bone-meal, tankage, superphosphate and potash in such proportions as to give best results without burning or retarding the growth of the lawn. We advise the use of Oregon L. & G. Fertilizer in making the lawn as well as maintaining it. Highly recommended for both. Also adapted for use in vegetable gardens and flowers. Complete direction on each bag.

Prices:

25 lbs.	\$.90
50 lbs.	1.50
100 lbs.	2.50

TEAM MATES!

The proper use of "Braeger's Special Lawn Grass" and "Oregon L. & G. Fertilizer" as a team makes lawns like this a reality instead of a dream. Our "Special Lawn Grass" is a mixture of the finest grasses that produce a beautiful lawn. It is recommended for Oregon conditions.

If you prefer a mixture containing white clover sow "Staigreen".

For that shady place plant "Shadylawn Mixture".

Write or ask for our Lawn Pamphlet giving complete planting instructions.

Special Gladiolus Offer

Two bulbs each of these 7 choice varieties (14 bulbs in all) mailed postpaid, **50c.**

Our Gladiolus are all No. 1 large bulbs, absolutely free from thrip and disease. They will flower to perfection with a minimum of care.

See page 21 for our general list of other fine varieties.



**BRAEGER BROS.
OREGON SEED STORE
PORTLAND, OREGON**

PELEGRINA

ALBATROSS

PICARDY

YELLOW PERFECTION

COMMANDER KOEHL

MINUET

MOTHER MACHREE